

**SEISEN
TECHNOLOGY**



***CATÁLOGO
MICROWAVE
PASSIVE DEVICES***

Contents

1. Power Splitter Series

1. Wideband Cavity Power Splitter		01
698-2700MHz	HM-MSTE-N7027A-X-155	01
	HM-MSTE-D7027A-X-155	02
	HM-MSTE-MD7027A-X-155	03
2. Ultra Wideband Cavity Power Splitter		04
380-2700MHz	HM-MSTE-N3827A-X-155	04
	HM-MSTE-D3827A-X-155	05

2. Directional Coupler Series

1. Wideband Cavity Directional Coupler		06
698-2700MHz	HM-MCPE-N7027A-X-155	06
	HM-MCPE-D7027A-X-155	07
	HM-MCPE-MD7027A-X-155	08
2. Ultra Wideband Cavity Directional Coupler		09
380-2700MHz	HM-MCPE-N3827A-X-155	09
	HM-MCPE-D3827A-X-155	10
	HM-MCPE-MD3827A-X-155	11

3. Hybrid Coupler Series

1. Wideband Cavity Hybrid Coupler		12
698-2700MHz	HM-MHSE-N7027A-155	12
	HM-MHSE-D7027A-155	13
	HM-MHSE-MD7027A-155	14
2. Hybrid Matrices		15
698-2700MHz	HM-4x4-MHSE-N7027A-153	15
	HM-4x4-MHSE-D7027A-153	16
	HM-4x4-MHSE-MD7027A-153	17
	HM-4x4-MHSE-N7027B-153	18
	HM-4x4-MHSE-D7027C-153	19
380-2700MHz	HM-4x4-MHSE-MD3827B-153	20

4. Combiner Series

1. Outdoor Combiner		21
HM-DFC-L/H-B05	380-960/1710-2700MHz	21
HM-DFC-L700/C&L-A02	698-803/824-960MHz	22
HM-TFC-L/D/WC-B02	380-960/1710-1880/1920-2170MHz	23
HM-MFC-L/D/WC/WI-B01	380-960/1710-1880/1920-2170/2400-2700MHz	24
2. Indoor Combiner		25
HM-DFC-G/D-V3.0	GSM 885~954/DCS 1710~1830Mhz	25
HM-TFC-C&G/D&3G/LTE-V1.0	890-960/1710-2170/2525-2690Mhz	26

5. Dummy Load

1. Dummy Load		27
	HM-T-N03-5/HM-T-N03-10	27
	HM-T-N03-25/HM-T-N03-50	28
	HM-T-N03-100/HM-T-N03-200	29
2. Low Pim Dummy Load		30
	HM-T-N03-50-A1/HM-T-N03-100-A1	30

6. Fixed Coaxial Attenuator

	HM-ATT-N3XA-2W/HM-ATT-N3XA-5W	31
	HM-ATT-N3XA-25W/HM-ATT-N3XA-50W	32
	HM-ATT-N3XA-100W/HM-ATT-N3XB-100W	33

7. POI

	HM-POI-M-O117-C03-V1.0	34
	HM-POI-M-O219-A01-V1.0	35
	HM-POI-M-O2112 A01-V1.0	37

Wide Band Cavity power splitters

698-2700MHz N



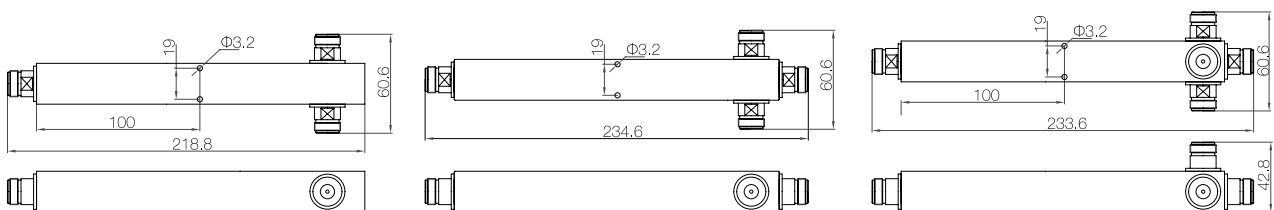
Description:

Power splitters offered in 2, 3 and 4 ways, use stripline and cavity craftwork with silver plated, metal conductors in aluminum housings. They have excellent input VSWR, high power ratings, low PIM and very low losses. Excellent design techniques allow bandwidths that extend from 698 to 2700 MHz in housing of convenient length. Cavity splitters are frequently employed in in-building wireless coverage and outdoor distribution systems because they are virtually indestructible, low loss and low PIM.

Technical Specification

Model No.	HM-MSTE-N7027A-2-155	HM-MSTE-N7027A-3-155	HM-MSTE-N7027A-4-155
Frequency Range (MHz)	698-2700		
Way No(dB)*	2	3	4
Divided Loss(dB)	3.0	4.8	6.0
VSWR	≤1.20	≤1.25	≤1.30
Insertion Loss(dB)	≤0.20	≤0.30	≤0.40
PIM3(dBc)	≤-155(@+43dBm×2)		
Impedance (Ω)	50		
Power Rating(W)	300		
Power peak (W)	1000		
Connector	N-F		
Application Circumstance	Outdoor, IP65		
Temperature Range(°C)	-40~+85		

Dimension (in mm)



Wide Band Cavity power splitters

698-2700MHz DIN



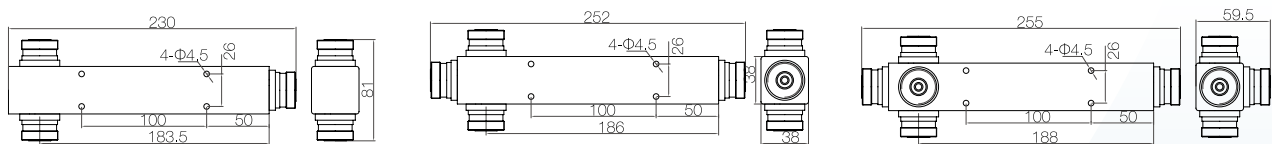
Description:

Power splitters offered in 2, 3 and 4 ways, use stripline and cavity craftwork with silver plated, metal conductors in aluminum housings. They have excellent input VSWR, high power ratings, low PIM and very low losses. Excellent design techniques allow bandwidths that extend from 698 to 2700 MHz in housing of convenient length. Cavity splitters are frequently employed in in-building wireless coverage and outdoor distribution systems because they are virtually indestructible, low loss and low PIM.

Technical Specification

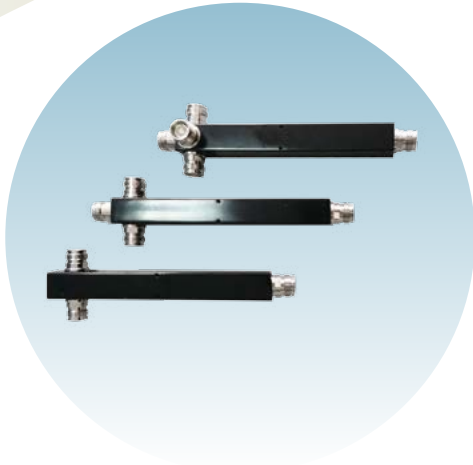
Model No.	HM-MSTE-D7027A-2-155	HM-MSTE-D7027A-3-155	HM-MSTE-D7027A-4-155
Frequency Range (MHz)	698-2700		
Way No(dB)*	2	3	4
Divided Loss(dB)	3.0	4.8	6.0
VSWR	≤1.20	≤1.25	≤1.30
Insertion Loss(dB)	≤0.20	≤0.30	≤0.40
PIM3(dBc)	≤-155(@+43dBm×2)		
Impedance (Ω)	50		
Power Rating(W)	500		
Power peak (W)	2500		
Connector	DIN-F		
Application Circumstance	Outdoor, IP65		
Temperature Range(°C)	-40~+85		

Dimension (in mm)



Wide Band Cavity power splitters

698-2700MHz 4.3/10



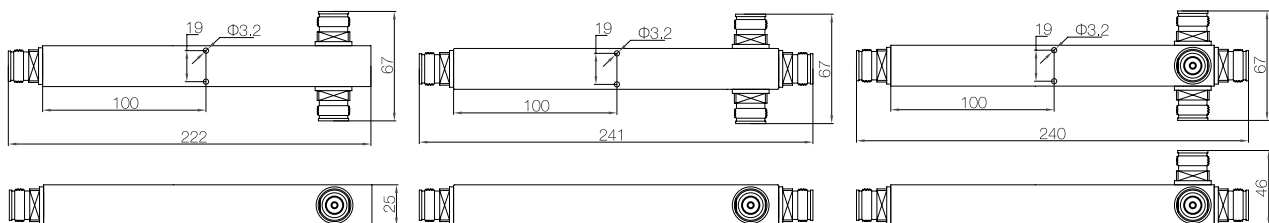
Description:

Power splitters offered in 2, 3 and 4 ways, use stripline and cavity craftwork with silver plated, metal conductors in aluminum housings. They have excellent input VSWR, high power ratings, low PIM and very low losses. Excellent design techniques allow bandwidths that extend from 698 to 2700 MHz in housing of convenient length. Cavity splitters are frequently employed in in-building wireless coverage and outdoor distribution systems because they are virtually indestructible, low loss and low PIM.

Technical Specification

Model No.	HM-MSTE-MD7027A-2-155	HM-MSTE-MD7027A-3-155	HM-MSTE-MD7027A-4-155
Frequency Range (MHz)	698-2700		
Way No(dB)*	2	3	4
Divided Loss(dB)	3.0	4.8	6.0
VSWR	≤1.20	≤1.25	≤1.30
Insertion Loss(dB)	≤0.20	≤0.30	≤0.40
Inband ripple(dB)	≤0.3	≤0.3	≤0.3
PIM3(dBc)	≤-155(@+43dBm×2)		
Impedance (Ω)	50		
Power Rating(W)	400		
Power peak (W)	1500		
Connector	4.3/10-F		
Application Circumstance	Outdoor, IP65		
Temperature Range(°C)	-40~+85		

Dimension (in mm)



Ultra Wide Band Cavity power splitters

380-2700MHz N



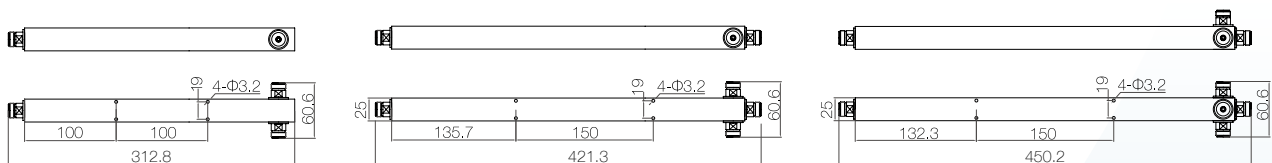
Description:

Power splitters offered in 2, 3 and 4 ways, use stripline and cavity craftwork with silver plated, metal conductors in aluminum housings. They have excellent input VSWR, high power ratings, low PIM and very low losses. Excellent design techniques allow bandwidths that extend from 380 to 2700 MHz in housing of convenient length. Cavity splitters are frequently employed in in-building wireless coverage and outdoor distribution systems because they are virtually indestructible, low loss and low PIM.

Technical Specification

Model No.	HM-MSTE-N3827A-2-155	HM-MSTE-N3827A-3-155	HM-MSTE-N3827A-4-155
Frequency Range (MHz)	380-2700		
Way No(dB)*	2	3	4
Divided Loss(dB)	3.0	4.8	6.0
VSWR	≤1.25	≤1.25	≤1.30
Insertion Loss(dB)	≤0.25	≤0.30	≤0.40
Inband ripple(dB)	≤0.3	≤0.3	≤0.3
PIM3(dBc)	≤-155(@+43dBm×2)		
Impedance (Ω)	50		
Power Rating(W)	300		
Power peak (W)	1000		
Connector	N-F		
Application Circumstance	Outdoor, IP65		
Temperature Range(°C)	-40~+85		

Dimension (in mm)



Ultra Wide Band Cavity power splitters

380-2700MHz DIN



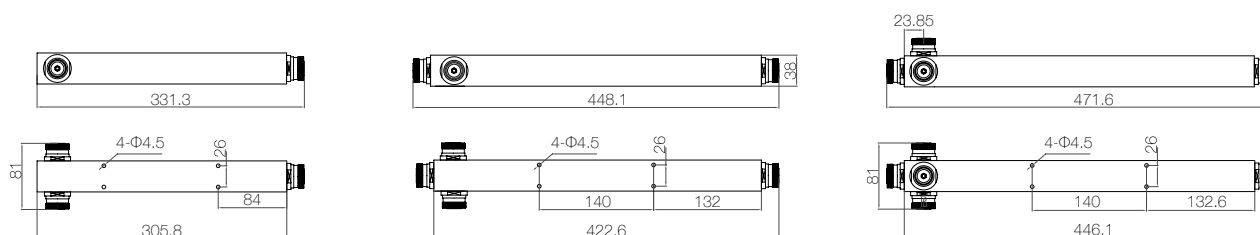
Description:

Power splitters offered in 2, 3 and 4 ways, use stripline and cavity craftwork with silver plated, metal conductors in aluminum housings. They have excellent input VSWR, high power ratings, low PIM and very low losses. Excellent design techniques allow bandwidths that extend from 380 to 2700 MHz in housing of convenient length. Cavity splitters are frequently employed in in-building wireless coverage and outdoor distribution systems because they are virtually indestructible, low loss and low PIM.

Technical Specification

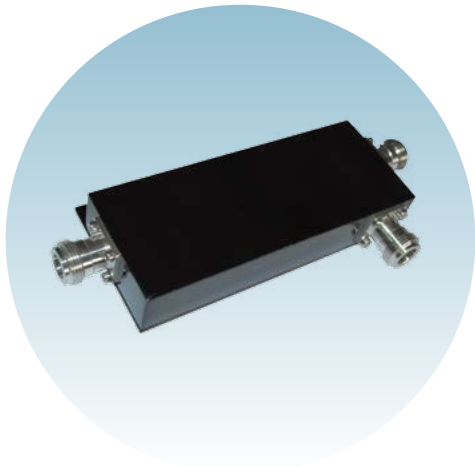
Model No.	HM-MSTE-D3827A-2-155	HM-MSTE-D3827A-3-155	HM-MSTE-D3827A-4-155
Frequency Range (MHz)	380-2700		
Way No(dB)*	2	3	4
Divided Loss(dB)	3.0	4.8	6.0
VSWR	≤1.25	≤1.25	≤1.30
Insertion Loss(dB)	≤0.25	≤0.30	≤0.40
Inband ripple(dB)	≤0.3	≤0.3	≤0.3
PIM3(dBc)	≤-155(@+43dBm×2)		
Impedance (Ω)	50		
Power Rating(W)	500		
Power peak (W)	2500		
Connector	DIN-F		
Application Circumstance	Outdoor, IP65		
Temperature Range(°C)	-40~+85		

Dimension (in mm)



Wideband Cavity Directional Coupler

698-2700MHz N



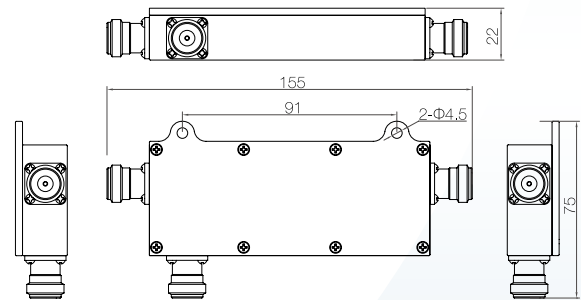
Description:

Wideband Directional couplers provide flat coupling of one signal path to another in one direction only (known as directivity). They commonly consist of an auxiliary line coupling electrically to a main line. One end of the auxiliary line is permanently fitted with a matched termination. Directivity (the difference between coupling in one direction compared to the other) is approximately 20 dB for couplers. Directional couplers are used whenever part of a signal needs to be separated off or two signals need to be combined. Huamai offers narrow band and wireless band directional couplers with coupling ranging from 3 dB to 50 dB or more.

Technical Specification

Model No.	HM-MCPE-N7027A-X-155									
Frequency Range (MHz)	698-2700									
Coupling(dB)*	5	6	7	8	10	15	20	25	30	
Coupling uniform(dB)	±0.8	±0.8	±0.8	±0.8	±1.0	±1.0	±1.0	±1.0	±1.0	±1.0
VSWR	≤1.25									
Insertion Loss(dB)	≤2.0	≤1.6	≤1.35	≤1.1	≤0.7	≤0.4	≤0.3	≤0.2	≤0.2	≤0.2
Directivity(dB)	≥20									
Isolation between ports(dB)	≥25	≥26	≥27	≥28	≥30	≥35	≥40	≥45	≥50	≥50
PIM3(dBc)	≤-155(@+43dBm×2)									
Impedance (Ω)	50									
Power Rating(W)	200									
Connector	N-F									
Application Circumstance	IP65									
Temperature Range(°C)	-35-+70									

Dimension (in mm)



Wideband Cavity Directional Coupler

698-2700MHz DIN

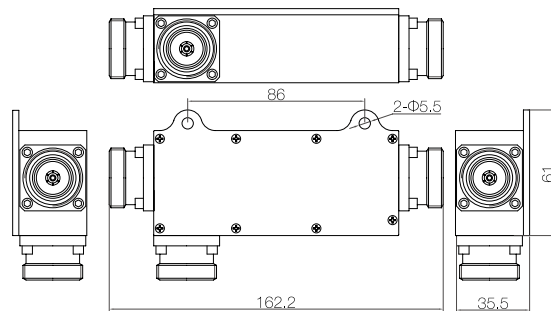
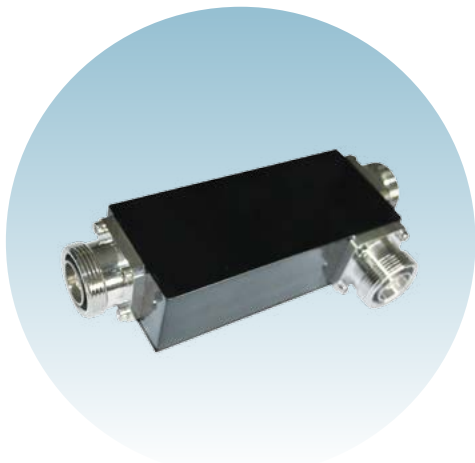
Description:

Wideband Directional couplers provide flat coupling of one signal path to another in one direction only (known as directivity) .They commonly consist of an auxiliary line coupling electrically to a main line. One end of the auxiliary line is permanently fitted with a matched termination. Directivity (the difference between coupling in one direction compared to the other) is approximately 20 dB for couplers, Directional couplers are used whenever part of a signal needs to be separated off or two signals need to be combined. Huamai offers narrow band and wireless band directional couplers with coupling ranging from 3 dB to 50 dB or more. We can design and work refer to special technology requirements.

► Technical Specification

Model No.	HM-MCPE-D7027A-X-155								
Frequency Range (MHz)	698-2700								
Coupling(dB)*	5	6	7	8	10	15	20	25	30
Coupling uniform(dB)	±0.8	±0.8	±0.8	±0.8	±1.0	±1.0	±1.0	±1.0	±1.0
VSWR	≤1.25								
Insertion Loss(dB)	≤2.0	≤1.6	≤1.35	≤1.1	≤0.7	≤0.4	≤0.3	≤0.2	≤0.2
Directivity(dB)	≥20								
Isolation between ports(dB)	≥25	≥26	≥27	≥28	≥30	≥35	≥40	≥45	≥50
PIM3(dBc)	≤-155(@+43dBm×2)								
Impedance (Ω)	50								
Power Rating(W)	500								
Connector	DIN-F								
Application Circumstance	IP65								
Temperature Range(°C)	-35+70								

► Dimension (in mm)



Wideband Directional Coupler

698-2700MHz 4.3/10

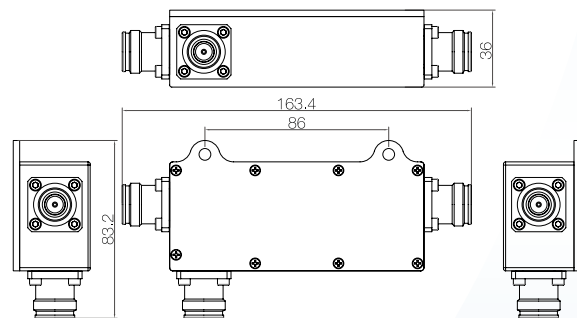
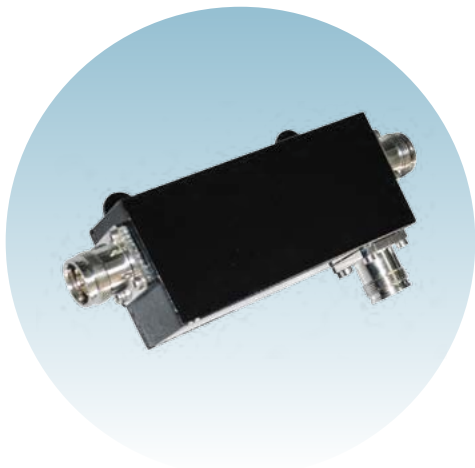
Description:

Wideband Directional couplers provide flat coupling of one signal path to another in one direction only (known as directivity) .They commonly consist of an auxiliary line coupling electrically to a main line. One end of the auxiliary line is permanently fitted with a matched termination. Directivity (the difference between coupling in one direction compared to the other) is approximately 20 dB for couplers, Directional couplers are used whenever part of a signal needs to be separated off or two signals need to be combined. Huamai offers narrow band and wireless band directional couplers with coupling ranging from 3 dB to 50 dB or more.

Technical Specification

Model No.	HM-MCPE-MD7027A-X-155								
Frequency Range (MHz)	698-2700								
Coupling(dB)*	3	5	6	7	8	10	15	20	30
Coupling uniform(dB)	±0.8	±0.8	±0.8	±0.8	±0.8	±1.0	±1.0	±1.0	±1.0
VSWR	≤1.25								
Insertion Loss(dB)	≤3.6	≤2.0	≤1.6	≤1.35	≤1.1	≤0.7	≤0.4	≤0.3	≤0.2
Inband ripple(dB)	≥23	≥25	≥26	≥27	≥28	≥30	≥35	≥40	≥50
PIM3(dBc)	≤-155(@+43dBm×2)								
Impedance (Ω)	50								
Power Rating(W)	400								
Connector	4.3/10-F								
Application Circumstance	IP65								
Temperature Range(°C)	-35+70								

Dimension (in mm)



Ultra Wideband Cavity Directional Coupler

380-2700MHz N

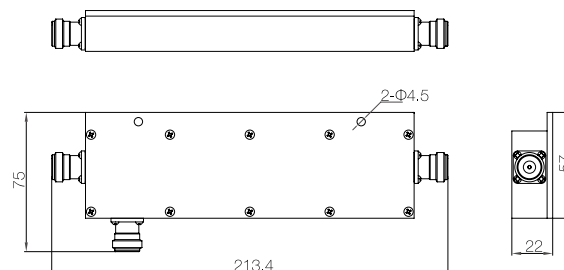
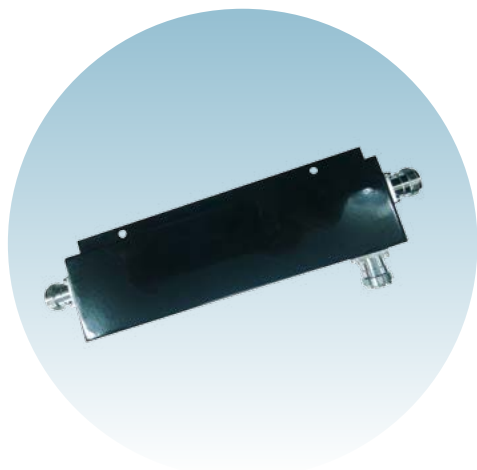
Description:

Ultra Wideband Directional couplers provide flat coupling of one signal path to another in one direction only (known as directivity) .They commonly consist of an auxiliary line coupling electrically to a main line. One end of the auxiliary line is permanently fitted with a matched termination. Directivity (the difference between coupling in one direction compared to the other) is approximately 20 dB for couplers, Directional couplers are used whenever part of a signal needs to be separated off or two signals need to be combined. Huamai offers narrow band and wireless band directional couplers with coupling ranging from 3 dB to 50 dB or more.

► Technical Specification

Model No.	HM-MCPE-N3827A-X-155								
Frequency Range (MHz)	380-2700								
Coupling(dB)*	3	5	6	7	8	10	15	20	30
Coupling uniform(dB)	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2
VSWR	≤1.25								
Insertion Loss(dB)	≤3.6	≤2.2	≤1.75	≤1.35	≤1.1	≤0.7	≤0.4	≤0.3	≤0.2
Inband ripple(dB)	≥23	≥25	≥26	≥27	≥28	≥30	≥35	≥40	≥50
PIM3(dBc)	≤-155(@+43dBm×2)								
Impedance (Ω)	50								
Power Rating(W)	200								
Connector	N-F								
Application Circumstance	IP65								
Temperature Range(°C)	-35+70								

► Dimension (in mm)



Ultra Wideband Cavity Directional Coupler

380-2700MHz DIN

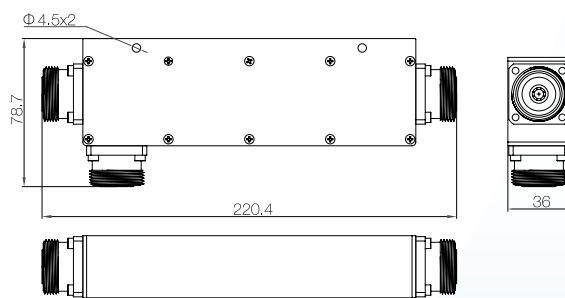
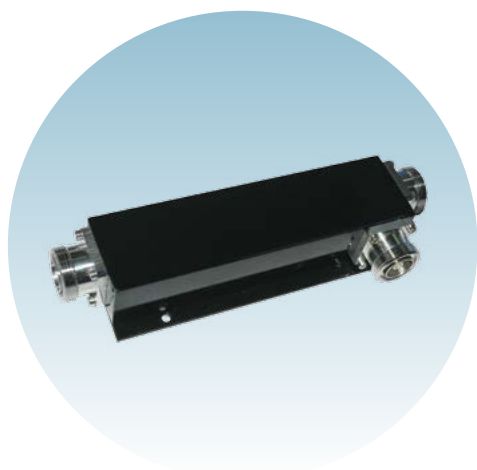
Description:

Ultra Wideband Directional couplers provide flat coupling of one signal path to another in one direction only (known as directivity). They commonly consist of an auxiliary line coupling electrically to a main line. One end of the auxiliary line is permanently fitted with a matched termination. Directivity (the difference between coupling in one direction compared to the other) is approximately 20 dB for couplers. Directional couplers are used whenever part of a signal needs to be separated off or two signals need to be combined. Huamai offers narrow band and wireless band directional couplers with coupling ranging from 3 dB to 50 dB or more.

Technical Specification

Model No.	HM-MCPE-D3827A-X-155								
Frequency Range (MHz)	380-2700								
Coupling(dB)*	3	5	6	7	8	10	15	20	30
Coupling uniform(dB)	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2
VSWR	≤1.25								
Insertion Loss(dB)	≤3.6	≤2.2	≤1.75	≤1.35	≤1.1	≤0.7	≤0.4	≤0.3	≤0.2
Inband ripple(dB)	≥23	≥25	≥26	≥27	≥28	≥30	≥35	≥40	≥50
PIM3(dBc)	≤-155(@+43dBm×2)								
Impedance (Ω)	50								
Power Rating(W)	500								
Connector	DIN-F								
Application Circumstance	IP65								
Temperature Range(°C)	-35-+70								

Dimension (in mm)



Ultra Wideband Cavity Directional Coupler

380-2700MHz 4.3/10

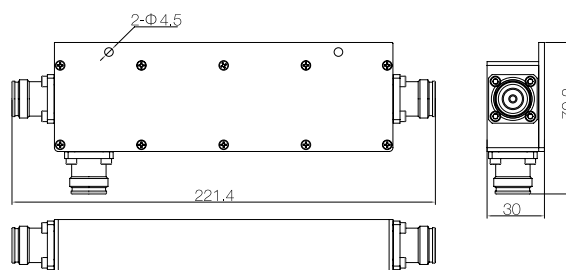
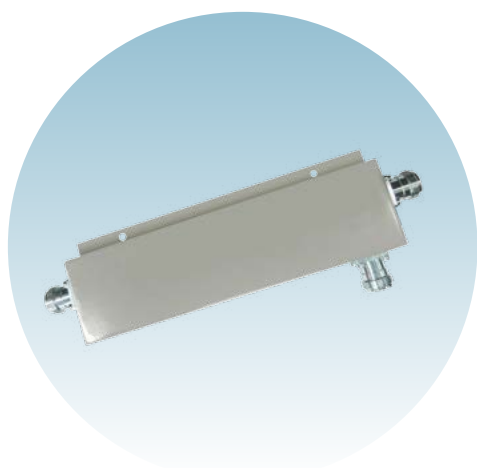
Description:

Ultra Wideband Directional couplers provide flat coupling of one signal path to another in one direction only (known as directivity). They commonly consist of an auxiliary line coupling electrically to a main line. One end of the auxiliary line is permanently fitted with a matched termination. Directivity (the difference between coupling in one direction compared to the other) is approximately 20 dB for couplers. Directional couplers are used whenever part of a signal needs to be separated off or two signals need to be combined. Huamai offers narrow band and wireless band directional couplers with coupling ranging from 3 dB to 50 dB or more.

▶ Technical Specification

Model No.	HM-MCPE-MD3827A-X-155								
Frequency Range (MHz)	380-2700								
Coupling(dB)*	3	5	6	7	8	10	15	20	30
Coupling uniform(dB)	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2	±1.2
VSWR	≤1.25								
Insertion Loss(dB)	≤3.6	≤2.2	≤1.75	≤1.35	≤1.1	≤0.7	≤0.4	≤0.3	≤0.2
Inband ripple(dB)	≥23	≥25	≥26	≥27	≥28	≥30	≥35	≥40	≥50
PIM3(dBc)	≤-155(@+43dBm×2)								
Impedance (Ω)	50								
Power Rating(W)	200								
Connector	4.3/10-F								
Application Circumstance	IP65								
Temperature Range(°C)	-35~+70								

▶ Dimension (in mm)



Wideband Hybrid Coupler

698-2700MHz N

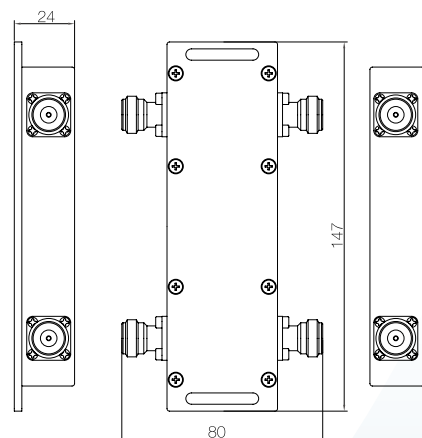
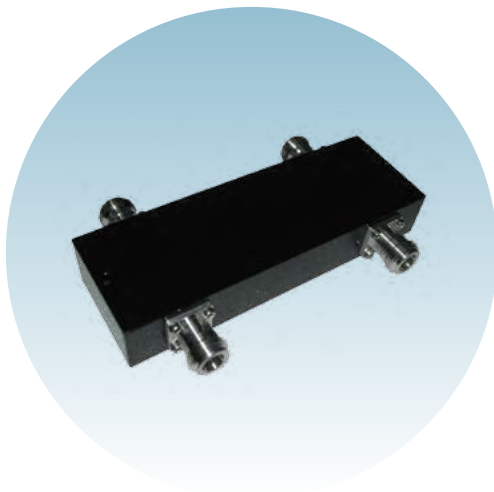
Description:

Hybrid Couplers have a characteristic that allows addition of two or more signals without interaction regardless of how close the frequencies of the signals may be. Huamai Hybrid Couplers have ultra wide bandwidths, very low PIM and minimal loss. The most commonly recommended hybrid for wireless systems is a multisection, stripline design, covering 698 MHz to 2700 MHz, which includes the present and future cellular, PCS, 3G and 3G/4G extension bands.

Technical Specification

Model No.	HM-MHSE-N7027A-155
Frequency Range (MHz)	698-2700
Coupling(dB)	±0.5
Insertion loss(dB)	≤3.55
VSWR	≤1.25
Isolation(dB)	≥25
PIM3(dBc)	≤-155(@+43dBm×2)
Application Circumstance	IP65
Impedance (Ω)	50
Power Rating(W)	200
Connector Type	N-F
Temperature Range(°C)	-35~75
Storage temperature(°C)	-35~75
colour	Black lacquer

Dimension (in mm)



Wideband Hybrid Coupler

698-2700MHz DIN

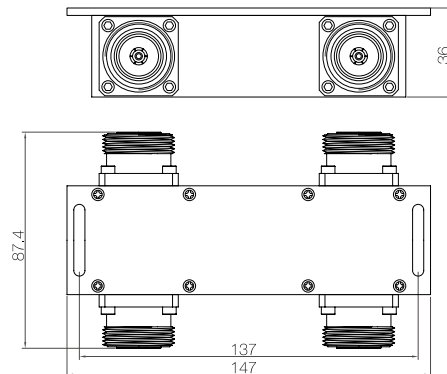
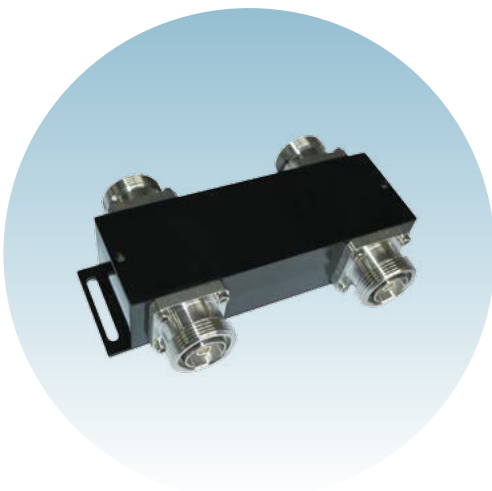
Description:

Hybrid Couplers have a characteristic that allows addition of two or more signals without interaction regardless of how close the frequencies of the signals may be. Huamai Hybrid Couplers have ultra wide bandwidths, very low PIM and minimal loss. The most commonly recommended hybrid for wireless systems is a multisection, stripline design, covering 698 MHz to 2700 MHz, which includes the present and future cellular, PCS, 3G and 3G/4G extension bands.

Technical Specification

Model No.	HM-MHSE-D7027A-155
Frequency Range (MHz)	698-2700
Coupling(dB)	±0.5
Insertion loss(dB)	≤3.55
VSWR	≤1.25
Isolation(dB)	≥25
PIM3(dBc)	≤-155(@+43dBm×2)
Application Circumstance	IP65
Impedance (Ω)	50
Power Rating(W)	500
Connector Type	DIN-F
Temperature Range(°C)	-35~70

Dimension (in mm)



Wideband Hybrid Coupler

698-2700MHz 4.3/10

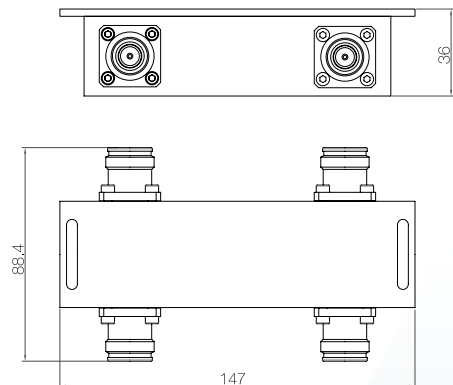
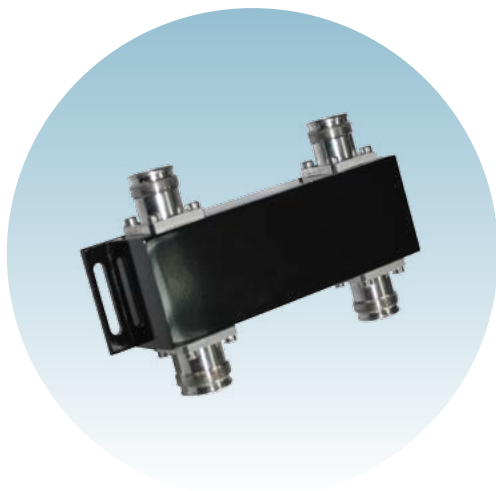
Description:

Hybrid Couplers have a characteristic that allows addition of two or more signals without interaction regardless of how close the frequencies of the signals may be. Huamai Hybrid Couplers have ultra wide bandwidths, very low PIM and minimal loss. The most commonly recommended hybrid for wireless systems is a multisection, stripline design, covering 698 MHz to 2700 MHz, which includes the present and future cellular, PCS, 3G and 3G/4G extension bands.

Technical Specification

Model No.	HM-MHSE-MD7027A-155
Frequency Range (MHz)	698-2700
Coupling(dB)	±0.5
Insertion loss(dB)	≤3.55
VSWR	≤1.25
Isolation(dB)	≥25
PIM3(dBc)	≤-155(@+43dBm×2)
Application Circumstance	IP65
Impedance (Ω)	50
Power Rating(W)	400
Connector Type	4.3/10-F
Temperature Range(°C)	-35~75
Storage temperature(°C)	-35~75
colour	Black lacquer

Dimension (in mm)



Hybrid Matrices

HM-4x4-MHSE-N7027A-153

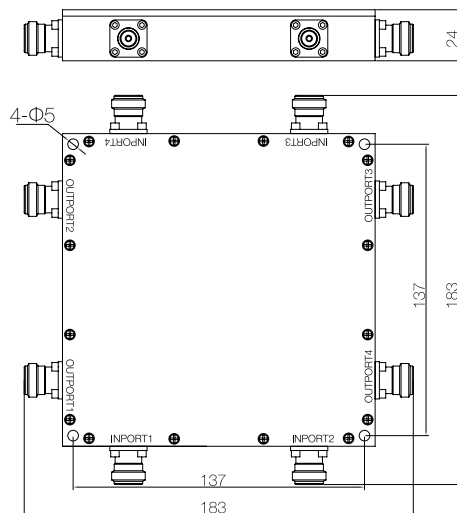
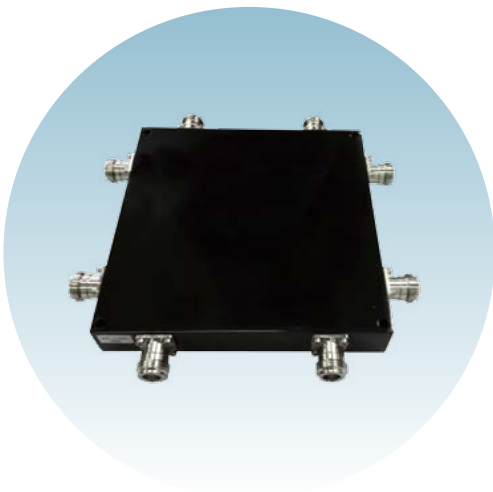
Description:

4x4 Hybrid matrix is taken as 4 inputs and 4 outputs. If a system can use multiple outputs, as in an in-building distributed antenna system or DAS, then the hybrid matrix could be theoretically considered as a 'lossless' combiner, and becomes a very important combining systems for DAS In-Building Networks.

Technical Specification

Model No.	HM-4x4-MHSE-N7027A-153
Frequency Range (MHz)	698-2700
Coupling Loss(dB)	6.0±1.0
Power Rated(W)	200(each port)
PIM3(dBc)	<-153(@2x43dBm)
VSWR	<1.25
Isolation(dB)	>25
Temperature(°C)	-35~ +75

Dimension (in mm)



Hybrid Matrices

HM-4×4-MHSE-D7027A-153

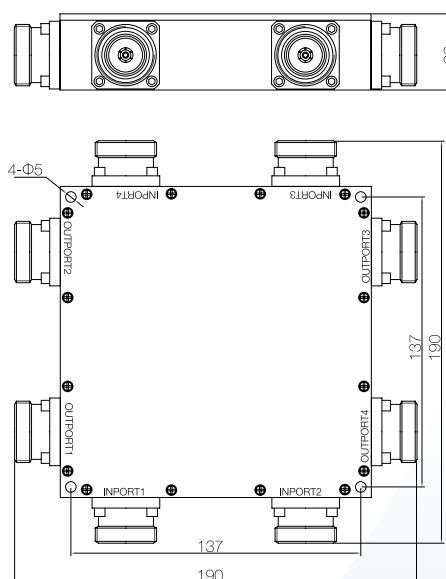
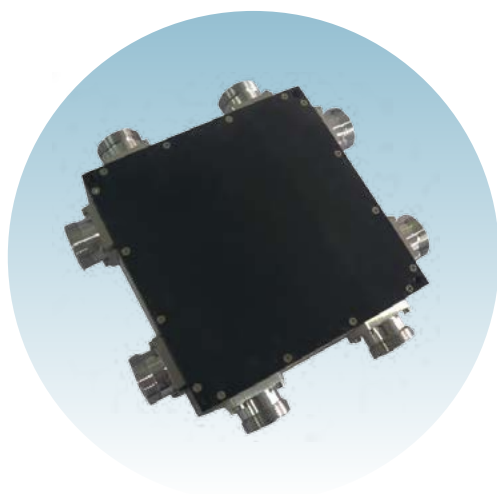
Description:

4×4 Hybrid matrix is taken as 4 inputs and 4 outputs. If a system can use multiple outputs, as in an in-building distributed antenna system or DAS, then the hybrid matrix could be theoretically considered as a 'lossless' combiner, and becomes a very important combining systems for DAS In-Building Networks.

▶ Technical Specification

Model No.	HM-4×4-MHSE-D7027A-153
Frequency Range (MHz)	698-2700
Coupling Loss(dB)	6.0±1.0
Power Rated(W)	500(each port)
PIM3(dBc)	<-153(@2×43dBm)
VSWR	<1.25
Isolation(dB)	>25
Temperature(°C)	-35~ +75

▶ Dimension (in mm)



Hybrid Matrices

HM-4×4-MHSE-MD7027A-153

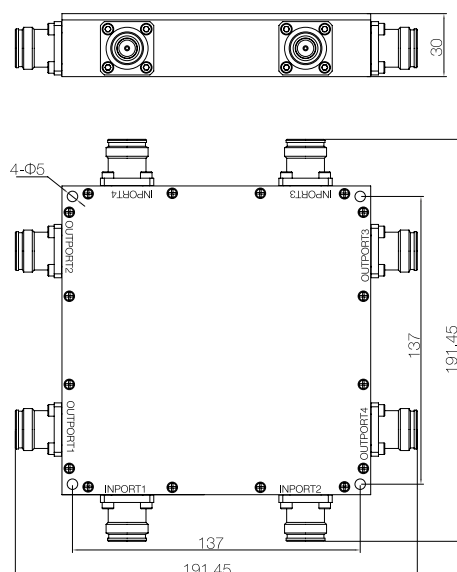
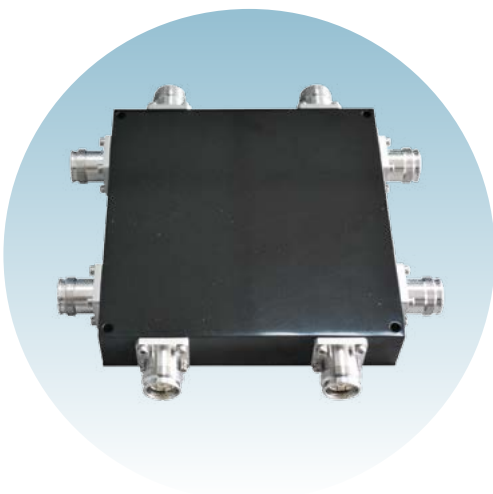
Description:

4×4 Hybrid matrix is taken as 4 inputs and 4 outputs. If a system can use multiple outputs, as in an in-building distributed antenna system or DAS, then the hybrid matrix could be theoretically considered as a 'lossless' combiner, and becomes a very important combining systems for DAS In-Building Networks.

▶ Technical Specification

Model No.	HM-4×4-MHSE-MD7027A-153
Frequency Range (MHz)	698-2700
Coupling Loss(dB)	6.0±1.0
Power Rated(W)	400 (each port)
PIM3(dBc)	<-153 (@2×43dBm)
VSWR	<1.25
Isolation(dB)	>25
Temperature(°C)	-35~+70

▶ Dimension (in mm)



Hybrid Matrices

HM-4×4-MHSE-N7027B-153

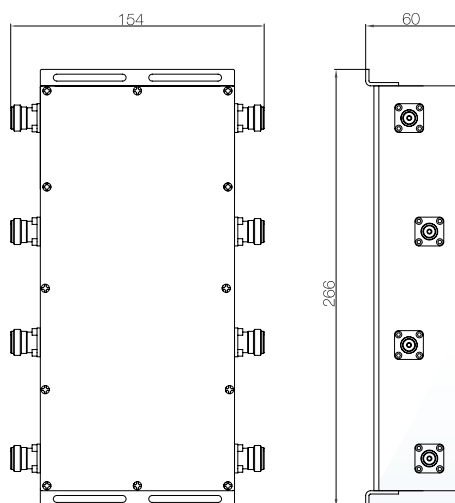
Description:

4×4 Hybrid matrix is taken as 4 inputs and 4 outputs. If a system can use multiple outputs, as in an in-building distributed antenna system or DAS, then the hybrid matrix could be theoretically considered as a 'lossless' combiner, and becomes a very important combining systems for DAS In-Building Networks.

▶ Technical Specification

Model No.	HM-4×4-MHSE-N7027B-153
Frequency Range (MHz)	698-2700
Insertion Loss(dB)	<6.0±1.0(Including Distribution Loss and Fluctuation)
VSWR	<1.25
Isolation(dB)	>23 or better
Peak Power(W)	200 / input port
PIM3 (dBc)	<-153(@2×43dBm)
Connector	N-F
Impedance(Ω)	50
Operating Temperature(°C)	-35~+70
Dimension(mm)	258×97.4×59
Application	Indoor / Outdoor, IP67
Material	Cavity aluminum silver-plated; Connector: Copper
Net Weight	3.0

▶ Dimension (in mm)



Hybrid Matrices

HM-4×4-MHSE-D7027C-153

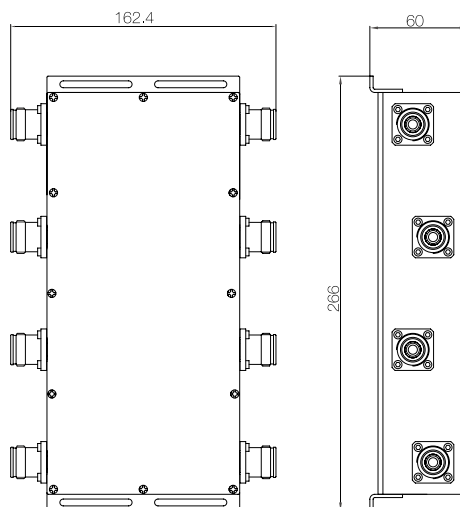
Description:

4×4 Hybrid matrix is taken as 4 inputs and 4 outputs. If a system can use multiple outputs, as in an in-building distributed antenna system or DAS, then the hybrid matrix could be theoretically considered as a 'lossless' combiner, and becomes a very important combining systems for DAS In-Building Networks.

▶ Technical Specification

Model No.	HM-4×4-MHSE-D7027C-153
Frequency Range (MHz)	698-2700
Insertion Loss(dB)	<6.9 (Including Distribution Loss and Fluctuation)
VSWR	<1.25
Isolation(dB)	>23
Power Handling(W)	200/ input port;
DC-Bypass	In1>Out 1; In2>Out 2; In3>Out 3; In4>Out 4(Max 6.5A, AISG 2.0 conform)
PIM3 (dBc)	<-153(@2x+43dBm)
Connector	DIN-Female
Operating Temperature(°C)	-35~+70
Impedance(Ω)	50
Dimension(mm)	250×100×53.5
Application	Indoor / Outdoor, IP66
Material	Cavity aluminum silver-plated; Connector: Copper
Net Weight(Kg)	1.5

▶ Dimension (in mm)



Hybrid Matrices

HM-4×4-MHSE-MD3827B-153

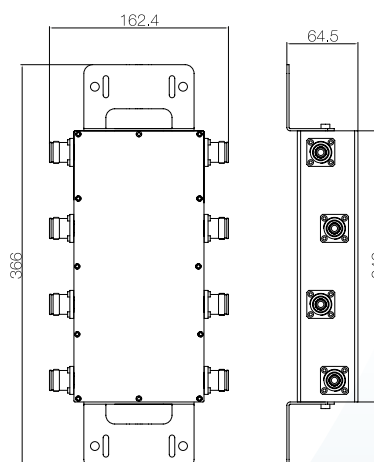
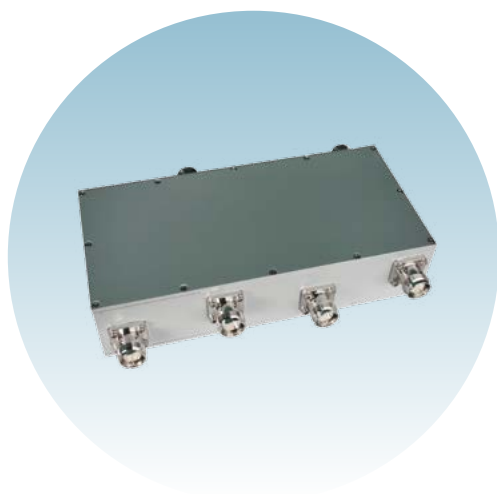
Description:

4×4 Hybrid matrix is taken as 4 inputs and 4 outputs. If a system can use multiple outputs, as in an in-building distributed antenna system or DAS, then the hybrid matrix could be theoretically considered as a 'lossless' combiner, and becomes a very important combining systems for DAS In-Building Networks.

▶ Technical Specification

Model No.	HM-4×4-MHSE-MD3827B-153
Frequency Range (MHz)	380-2700
Insertion Loss(dB)	<6.0±1.5 (Including Distribution Loss and Fluctuation)
VSWR	<1.25
Isolation(dB)	>25
Power Handling(W)	400 / input port;
DC-Bypass	In1>Out 1; In2>Out 2; In3>Out 3; In4>Out 4(Max 6.5A, AISG 2.0 conform)
Connector	4.3/10-Female,
PIM (dBc)	<-153(@2x+43dBm)
Operating Temperature(°C)	-35~+70
Impedance(Ω)	50
Application	Indoor / Outdoor, IP65
Material	Cavity aluminum silver-plated; Connector: Copper

▶ Dimension (in mm)



Outdoor Combiner

HM-DFC-L/H-B05

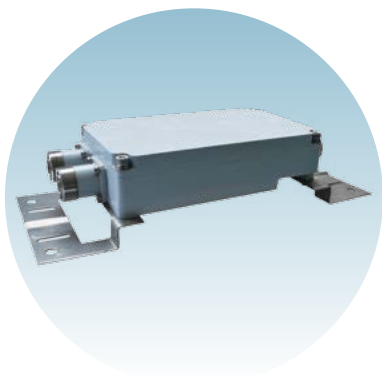
Description:

Wide range of diplexers and triplexers ,quadruplexer, even more output ports to meet the rigorous demands of the wireless market. The focus is to provide extremely broad bandwidths, with minimum loss and low PIM. The most suitable design technique for such requirements is often the suspended substrate which has low loss and has the cost benefit of being tuned by design. Such units have become a very important building block in the combining of multiple signals being distributed in Distributed Antenna Systems, or DAS.

▶ Technical Specification

Channels	Low band	High Band
Frequency Range(MHz)	380-960	1710-2700
Insertion Loss(dB)	≤0.15	≤0.2
Isolation(dB)	≥50 @1710-2700MHz	≥50 @380-960MHz
VSWR	≤1.3	
Power Rating	300Watt per input (Continuous wave)	
PIM3 (dBc)	< -153 (@2x43dBm)	
Impedance(Ω)	50	
Lightning Protection	IEC 61000-4-5; 15kA, 8/20μs	
Temperature Range(°C)	-35~+70	
Installation Environment	Outdoor, IP67	
Connectors	DIN-Female	
Mounting	Pole or Wall Mount	
Material	Cavity: Aluminum silver-plated; Connector: Copper	
Dimension(mm)	190×107×48	
Weight(Kg)	1.5	

▶ Dimension (in mm)



Outdoor Combiner

HM-DFC-L700/C&L-A02

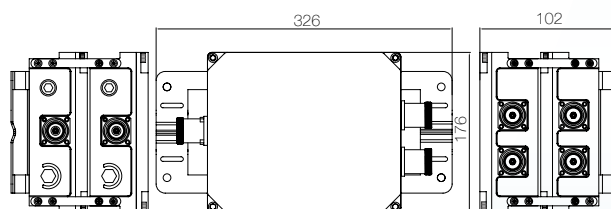
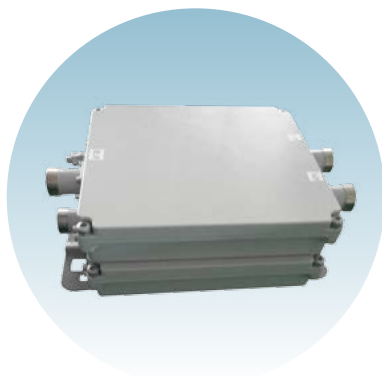
Description:

Wide range of diplexers and triplexers ,quadruplexer, even more output ports to meet the rigorous demands of the wireless market. The focus is to provide extremely broad bandwidths, with minimum loss and low PIM. The most suitable design technique for such requirements is often the suspended substrate which has low loss and has the cost benefit of being tuned by design. Such units have become a very important building block in the combining of multiple signals being distributed in Distributed Antenna Systems, or DAS.

Electrical Specifications:

Band	Band1: LTE700	Band2: CDMA850/LTE900
Frequency Range(MHz)	698-803	824-960
Insertion Loss(dB)	≤0.5	≤0.5
Ripple(dB)	≤0.4	≤0.4
Isolation between paths(dB)	≥50	
Return Loss(dB)	≥20	
Power Rating(W)	500 all inputs max	
DC-bypass& AISG	Yes	
PIM3(dBc)	-155(@2x43dBm inputs)	
Impedance(Ω)	50	
Lightning Protection	3 kA, 10/350μs pulse; 10kA, 8/20μs pulse	
Mechanical Specifications		
Weight(kg)	Single Unit:4 Double Unit:8kg(approx.)	
Connector	7/16 DIN-female (Long neck)	
Colour	Light Grey	
Operating Temperature(°C)	-35~70	
Application	Indoor/Outdoor	
Mounting	Pole or Wall mounted	
Waterproof grade	IP66	

Dimension (in mm)



Outdoor Combiner

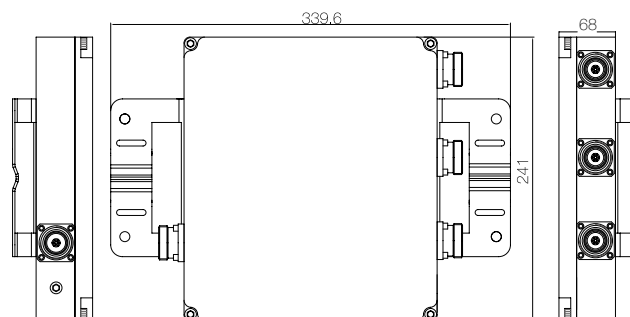
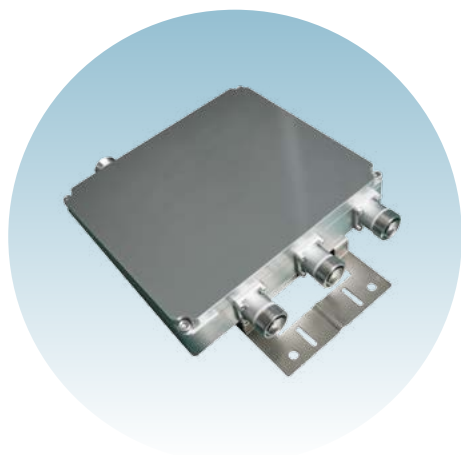
HM-TFC-L/D/WC-B02

Description:

- Single and Double units as optional
- Easy to install
- Outdoor IP67 waterproof
- With lightning protection function

Electrical Specifications			
Frequency(MHz)	380-960	1710-1880	1920-2170
Insertion loss(dB)	≤0.3	≤0.4	≤0.4
Isolation(dB)	≥50		
VSWR	≤1.3		
PIM3(dBc)	< -153 (@2x43dBm)		
Power handling(W)	250		
DC/AISG	By-pass(Max.3A)		
Lighting Protection	3 KA,10/350 μs pulse		
Impedance(Ω)	50		
Environment & Mechanical			
Temperature range(°C)	-35~+70		
Humidity	5%- 95%		
Applications	IP67		
Connector	DIN-Female		
Dimensions(mm)	Single unit:239x215x48mm(without connectors)		
Weight(kg)	Single unit:2		
Packing	1pc/box		

Dimension (in mm)



Outdoor Combiner

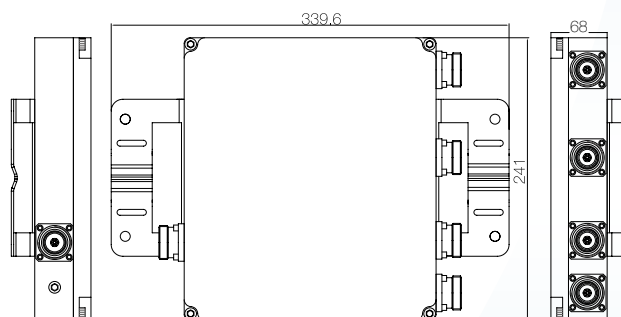
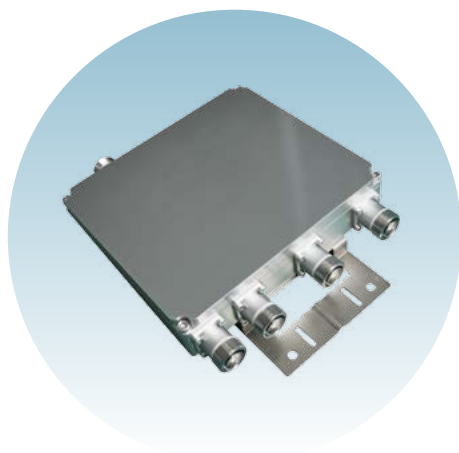
HM-MFC-L/D/WC/WI-B01

Description:

- Single and Double units as optional
- Easy to install
- Outdoor IP67 waterproof
- With lightning protection function

Electrical Specifications				
Frequency(MHz)	380-960	1710-1880MHz	1920-2170MHz	2400-2700MHz
Insertion loss(dB)	≤0.3	≤0.4	≤0.4	≤0.3
Isolation(dB)	≥50			
VSWR	≤1.3			
Intermodulation(dBc)	< -153 (@2×43dBm)			
Power handling(W)	250			
DC/AISG	By-pass(Max.3A)			
Lighting Protection	3 KA, 10/350 μs pulse			
Impedance(Ω)	50			
Environment & Mechanical				
Temperature range(°C)	-35~+70			
Humidity	5%- 95%			
Applications	IP67			
Connector	DIN-Female			
Dimensions(mm)	Single unit:239x215x48(without connectors)			
Weight(kg)	Single unit:2			
Packing	1pc/box			

Dimension (in mm)



Indoor Combiner

HM-DFC-G/D-V3.0

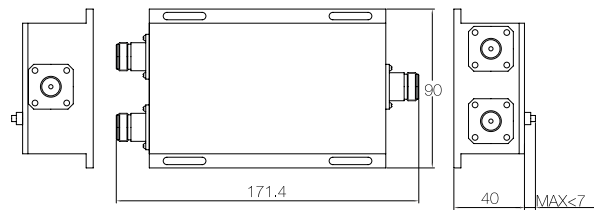
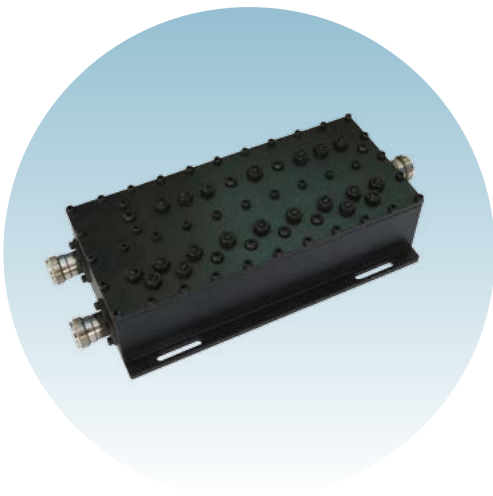
Description:

Dual band Combiner is passive device used in the system of Wireless distribution system to combine the different signal from two input signal into one output port.

▶ Technical Specification

Model No.	HM-DFC-G/D-V3.0	
Frequency Range (Mhz)	GSM 885~954	DCS 1710~1830
Insert Loss(dB)	≤0.6	
In-band ripple(dB)	≤0.5	
The Out of band rejection(dB)	≥80	
VSWR	≤1.30	
PIM3(dBc)	≤-153@2x43dBm	
Impedance (Ω)	50	
Power (w)	200	
Connector	N-F	
Application	Indoor	
Temperature(°C)	-35~+70	
Dimension(mm)	136×84×40	

▶ Dimension (in mm)



Indoor Combiner

HM-TFC-C&G/D&3G/LTE-V1.0

Description:

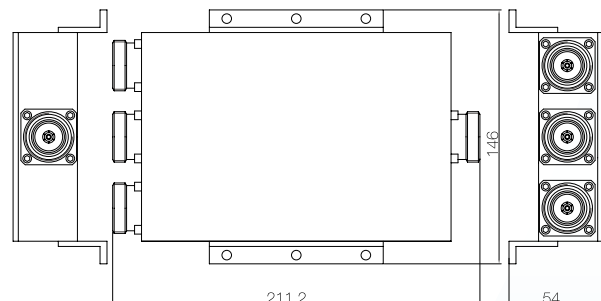
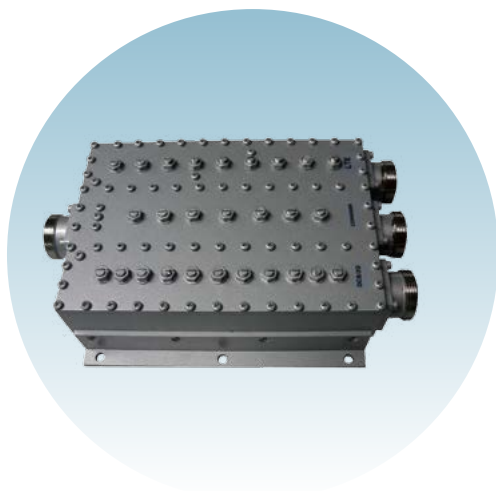
Triplexers are passive devices used in the field of radio technology, they are used to combine the signal from a number of different input ports to a single output port.

HUAMAI's triplexers are characterized by low VSWR, low insertion loss, low PIM, high Isolation and performance stability.

► Technical Specification

Model No.	HM-TFC-C&G/D&3G/LTE-V1.0		
Channels	CDMA/GSM	DCS/3G	LTE
Frequency Range (MHz)	890-960	1710-2170	2525-2690
Band Width (MHz)	70	460	165
Insertion Loss (dB)	≤0.2	≤0.3	≤0.3
Stop-band Attenuation (dB)	≥50 @ DCS/3G ≥50 @ LTE	≥50 @ CDMA/GSM ≥50 @ LTE	≥50 @ CDMA/GSM ≥50 @ DCS/3G
Return Loss (dB)	≥18	≥18	≥18
Impedance(Ω)	50		
Power Rating (W)	200		
PIM3 (dBc)	≤-155 @ +43dBm×2		
Connectors	DIN-F		
Temperature(°C)	-35~+70		
Mounting accessories	Wall Mountable Installation Bracket included		
Application	Indoor& Outdoor, IP65		

► Dimension (in mm)



Dummy Load

HM-T-N03-5/HM-T-N03-10

Description:

Huamai termination load are low, medium and big power coaxial loads, which operates from DC to up to 6 GHz. Higher powers have cooling fins help to minimize temperature rise of the resistive film terminating element, contained within a carefully matched coaxial housing. Standard connectors are SMA, N and 7-16 mm DIN, male or female. Power from 1 watt to 1000watt can be available.

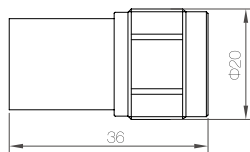
Technical Specification

Model No.	HM-T-N03-5	HM-T-N03-10
Power(W)	5	10
Frequency(GHz)	DC-3	
Impedance(Ω)	50	
Connector	N/DIN/SMA Male or Female can be available	
VSWR	≤ 1.20	
Temperature($^{\circ}\text{C}$)	-55~+85	
Dimension(mm)	$\phi 20 \times 36$	$\phi 35 \times 58$
Weight(g)	34	100
Annotation	Indoor Use	

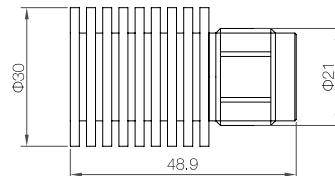
Dimension (in mm)



HM-T-N03-5



HM-T-N03-10



Dummy Load

HM-T-N03-25/HM-T-N03-50

Description:

Huamai termination load are low, medium and big power coaxial loads, which operates from DC to up to 6 GHz. Higher powers have cooling fins help to minimize temperature rise of the resistive film terminating element, contained within a carefully matched coaxial housing. Standard connectors are SMA, N and 7-16 mm DIN, male or female.

Technical Specification

Model No.	HM-T-N03-25	HM-T-N03-50
Power(W)	25	50
Frequency(GHz)	DC-3	
Impedance(Ω)	50	
Connector	N Male or Female	
VSWR	≤ 1.20	
Temperature($^{\circ}\text{C}$)	-55~+85	
Dimension(mm)	$\phi 45 \times 90$	80x60x60
Weight(g)	115	378
Annotation	Indoor Use	

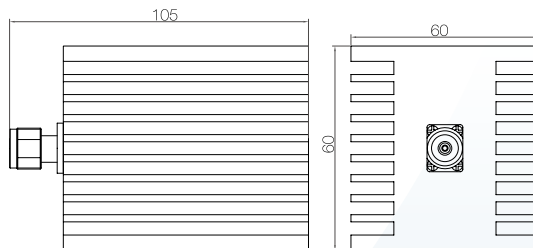
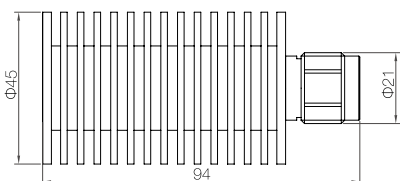
Dimension (in mm)



HM-T-N03-25



HM-T-N03-50



Dummy Load

HM-T-N03-100/HM-T-N03-200

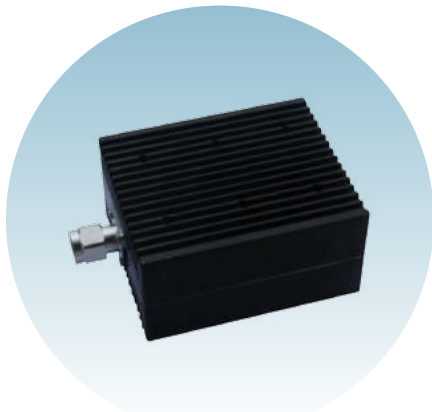
Description:

Huamai termination load are low, medium and big power coaxial loads, which operates from DC to up to 6 GHz. Higher powers have cooling fins help to minimize temperature rise of the resistive film terminating element, contained within a carefully matched coaxial housing. Standard connectors are SMA, N and 7-16 mm DIN, male or female.

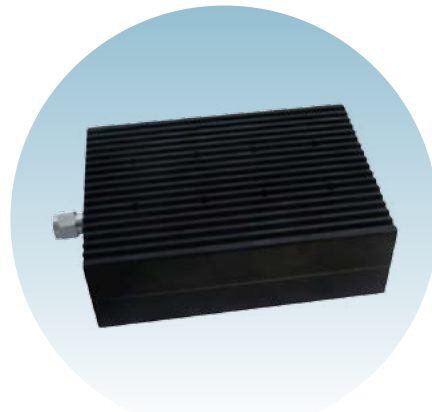
► Technical Specification

Model No.	HM-T-N03-100	HM-T-N03-200
Power(W)	100	200
Frequency(GHz)	DC-3	
Impedance(Ω)	50	
Connector	N male or N female	
VSWR	≤ 1.20	
Temperature(°C)	-55~+85	
Dimension(mm)	120×100×60	200×142×65
Weight(kg)	1.3	2.3
Annotation	Indoor Use	

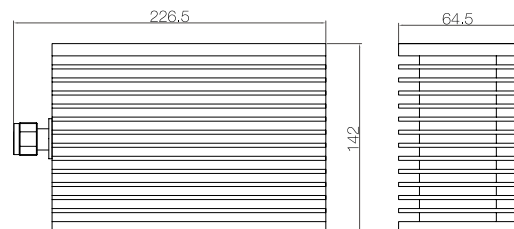
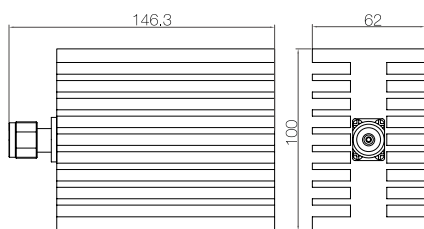
► Dimension (in mm)



HM-T-N03-100



HM-T-N03-200



Low Pim Dummy Load

HM-T-N03-50-A1/HM-T-N03-100-A1

Description:

Huamai termination load are low, medium and big power coaxial loads, which operates from DC to up to 6 GHz. Higher powers have cooling fins help to minimize temperature rise of the resistive film terminating element, contained within a carefully matched coaxial housing. Standard connectors are SMA, N and 7-16 mm DIN, male or female. Sometimes for special Test purpose or Low PIM system operation, we design Low PIM termination load which can be available to PIM<-153dBc or even PIM<-160dBc.

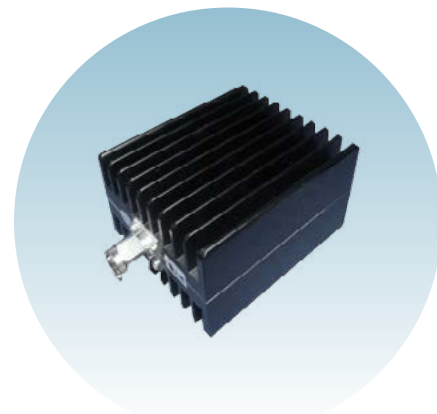
▶ Technical Specification

Model No.	HM-T-N03-50-A1	HM-T-N03-100-A1
Power(W)	50	100
Frequency(MHz)	DC-3000	
Impedance(Ω)	50	
Connector	N male or N female	
VSWR:	≤ 1.20	
Temperature($^{\circ}\text{C}$)	-35~+50	
PIM3(dBc)	$\leq -160@2 \times 43\text{dBm}$	
Annotation	Indoor Use	

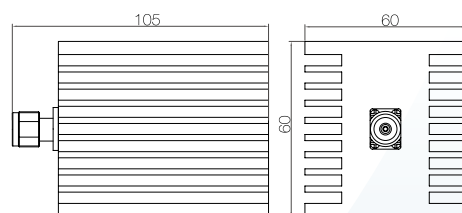
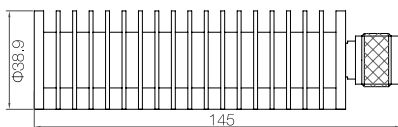
▶ Dimension (in mm)



HM-T-N03-50-A1



HM-T-N03-100-A1



Fixed Coaxial Attenuator

HM-ATT-N3XA-2W/HM-ATT-N3XA-5W

Description:

Huamai coaxial attenuators for wireless applications cover DC to 6 GHz frequency range. Average powers range from 2W to a full 500 Watts average rating. . These attenuators are constructed of resistive elements in a conventional series circuit. all are exceptionally rugged, and negligibly affected by normal ambient temperature and humidity changes. All connectors such as N and DIN can be available

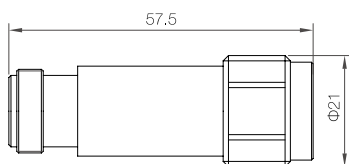
Technical Specification

Model No.	HM-ATT-N3XA-2W			HM-ATT-N3XA-5W		
Power(W)	2			5		
Frequency(MHz)	DC-3000					
Impedance(Ω)	50					
Connector	N male or N female					
VSWR:	≤ 1.20					
Attenuation Value(dB)	1~30					
Attenuation(dB)	3	6	10	15	20	30
Passband Ripple(dB)	0.4	0.4	0.5	0.5	0.6	0.8
Accuracy(dB)	≤ 0.3	≤ 0.5	≤ 0.7	≤ 0.8	≤ 0.8	≤ 1.0
PIM3(dBc)	≤ -110					
Temperature($^{\circ}\text{C}$)	$-55 \sim +85$					
Dimension(mm)	$\phi 20 \times 58$			$\phi 30 \times 58$		
Weight(g)	64			76		

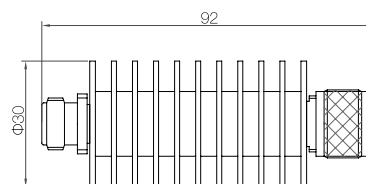
Dimension (in mm)



HM-ATT-N3X-2W



HM-ATT-N3XA-5W



Fixed Coaxial Attenuator

HM-ATT-N3XA-25W/HM-ATT-N3XA-50W

Description:

Huamai coaxial attenuators for wireless applications cover DC to 6 GHz frequency range. Average powers range from 2W to a full 500 Watts average rating. . These attenuators are constructed of resistive elements in a conventional series circuit. all are exceptionally rugged, and negligibly affected by normal ambient temperature and humidity changes. All connectors such as N and DIN can be available.

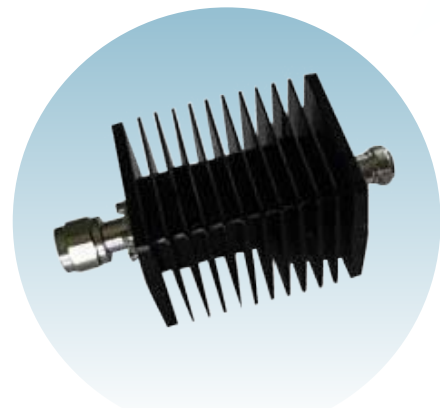
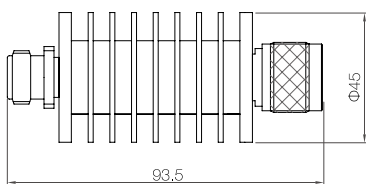
Technical Specification

Model No.	HM-ATT-N3XA-25W			HM-ATT-N3XA-50W		
Power(W)	25			50		
Frequency(MHz)	DC-3000					
Impedance(Ω)	50					
Connector	N male or N female					
VSWR:	≤ 1.20					
Attenuation Value(dB))	1~30					
Attenuation(dB)	3	6	10	15	20	30
Passband Ripple(dB)	0.4	0.4	0.5	0.5	0.6	0.8
Accuracy(dB)	≤ 0.3	≤ 0.5	≤ 0.7	≤ 0.8	≤ 0.8	≤ 1.0
PIM3(dBc)	≤ -110					
Temperature($^{\circ}\text{C}$)	-55~+85					
Dimension(mm)	$\phi 45 \times 109$			60x80x60		
Weight(g)	103			418.5		

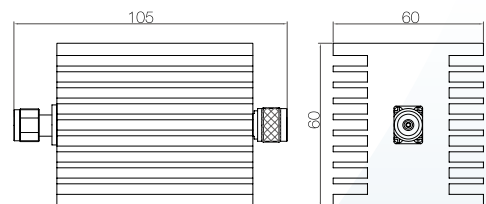
Dimension (in mm)



HM-ATT-N3XA-25W



HM-ATT-N3XA-50W



Fixed Coaxial Attenuator

HM-ATT-N3XA-100W/HM-ATT-N3XB-100W

Description:

Huamai coaxial attenuators for wireless applications cover DC to 6 GHz frequency range. Average powers range from 2W to a full 500 Watts average rating. . These attenuators are constructed of resistive elements in a conventional series circuit. all are exceptionally rugged, and negligibly affected by normal ambient temperature and humidity changes. All connectors such as N and DIN can be available.

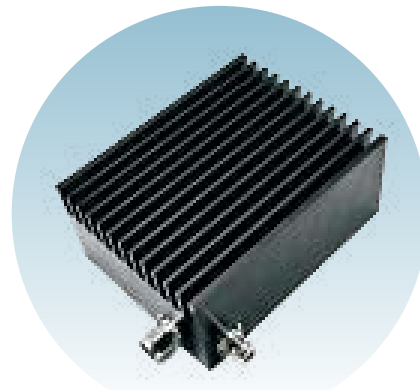
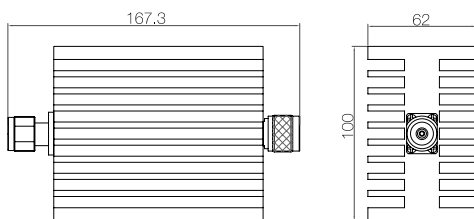
Technical Specification

Model No.	HM-ATT-N3XA-100W			HM-ATT-N3XB-100W		
Power(W)	100					
Frequency	DC-3000MHz					
Impedance(Ω)	50					
Connector	N Male to Female					
VSWR:	≤ 1.20					
Attenuation Value(dB)	1~30					
Attenuation(dB)	3	6	10	15	20	30
Passband Ripple(dB)	0.4	0.4	0.5	0.5	0.6	0.8
Accuracy(dB)	≤ 0.3	≤ 0.5	≤ 0.7	≤ 0.8	≤ 0.8	≤ 1.0
PIM3(dBc)	≤ -160					
Temperature($^{\circ}\text{C}$)	$-55 \sim +85$					
Dimension(mm)	120x100x60			200x120x45		
Weight(kg)	1.2			3.1		
Annotation	Indoor Use					

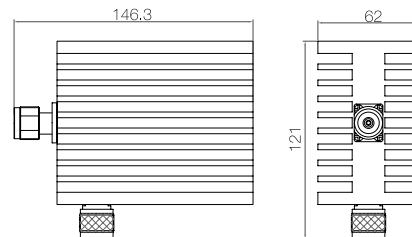
Dimension (in mm)



HM-ATT-N3XA-100W



HM-ATT-N3XB-100W



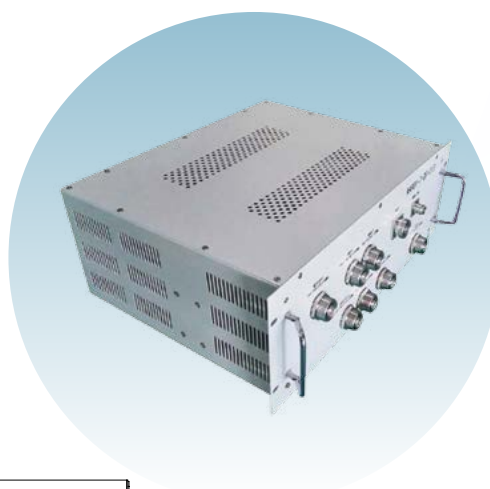
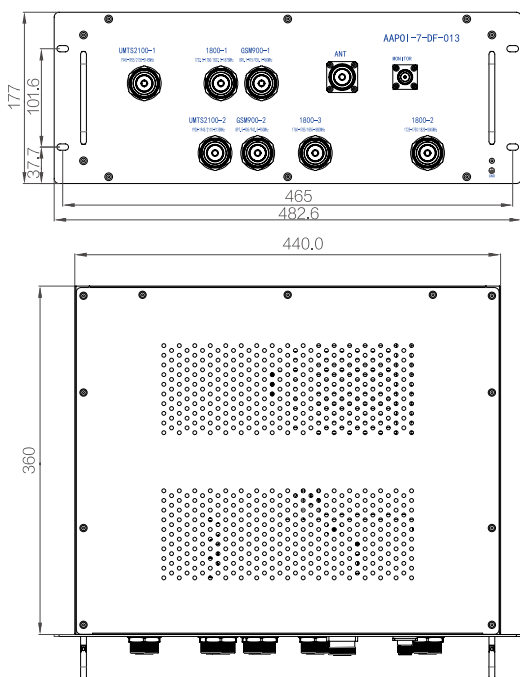
POI 7 in 1 out

HM-POI-M-O117-C03-V1.0

▶ Technical Specification

Electrical Specifications		
Frequency range(MHz)	GSM900-1: 890.1-915/ 935.1-960	GSM900-2: 897.5-905/942.5-950
	1800-1: 1732.5-1780/1827.5-1875	1800-2: 1725-1750/1820-1845
	1800-3: 1760-1785/1855-1880	UMTS2100-1: 1945-1955/2135-2145
	UMTS2100-2: 1920-1945/2110-2135	
Insertion loss(dB)	≤5.5 @GSM900&UMTS2100 ≤6.5 @1800	
Isolation(dB)	≥30 (Same bands) ≥80 (Different bands)	
VSWR	≤1.3(for BTS ports)	
PIM3(dBc)	≤ -150 @ 2x20 W	
Environmental & Mechanical		
Dimention(mm)	482.6×360×177	
Weight(kg)	≤20	
Connector type	DIN-F(7 BTS/1 ANT/) & N-F(1 Monitor)(-30dBc)	
Application	Indoor	
Temperature(°C)	0~+60	

▶ Dimension (in mm)



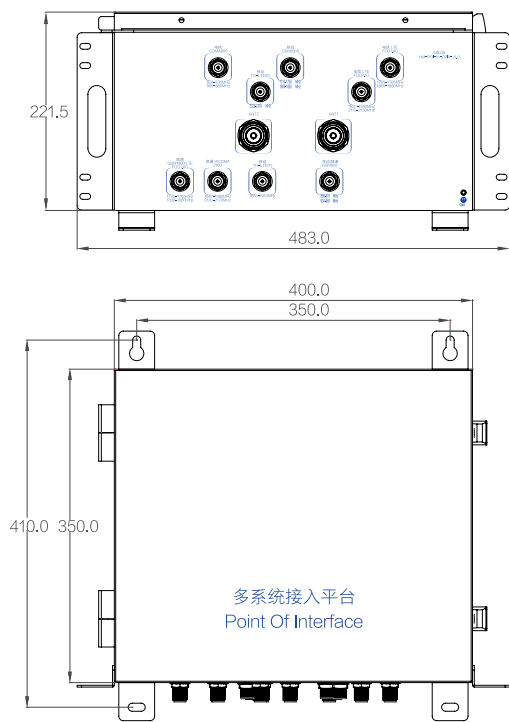
POI 9 in 2 out

HM-POI-M-O2I9-A01-V1.0

▶ Connector Specification

Serial	Port	Type	Transmission	Number	Fre(MHz)
1	GSM900	N-F	Duplex	1	889-915/934-960
2	GSM1800	N-F	Duplex	1	1710-1735/1805-1830
3	TD-LTE(FFre)	N-F	Duplex	1	1885-1915
4	TD-LTE(EFre)	N-F	Duplex	1	2320-2370
5	CDMA800	N-F	Duplex	1	820-835/865-880
6	LTE FDD1.8G	N-F	Duplex	1	1765-1785/1860-1880
7	LTE FDD2.1G	N-F	Duplex	1	1920-1940/2110-2130
8	GSM1800/LTE FDD1.8G	N-F	Duplex	1	1735-1765/1830-1860
9	WCDMA2100	N-F	Duplex	1	1940-1980/2130-2170

▶ Dimension (in mm)



▶ Electrical Specification

Frequency(MHz)	GSM900:Downlink 934-960MHz,Uplink 889-915
	GSM1800:Downlink 1805-1830MHz,Uplink 1710-1735
	TD-LTE(FFre):1885-1915
	TD-LTE(EFre):2320-2370
	CDMA800:Downlink 865-880MHz,Uplink 820-835
	LTE FDD1.8G:Downlink 1860-1880MHz,Uplink 1765-1785
	LTE FDD2.1G:Downlink 2110-2130MHz,Uplink 1920-1940
	GSM1800/LTE FDD1.8G:Downlink 1830-1860MHz,Uplink 1735-1765
	WCDMA2100:Downlink 2130-2170MHz,Uplink 1940-1980
Insertion Loss(dB)	≤5.0
VSRW	≤1.3
Isolation(dB)	GSM1800 between GSM1800/LTE FDD1.8G≥28 GSM1800 betweenLTE FDD1.8G≥50 GSM1800/LTE FDD1.8G between LTE FDD1.8G≥28 WCDMA2100 between LTE FDD2.1G≥28 LTE FDD1.8G between TD-LTE(FFre)≥50 LTE FDD2.1G between TD-LTE(F Fre)≥50 Other Port≥80
Power Rating(W)	200,Max 1000
PIM3(dBc)	≤-153(@+43dBm×2)
Ripple(dB)	≤1.5
Impedence(Ω)	50

▶ Environmental Specification

Working Environment Temperature (°C)	-40~+55
Storage Temperature (°C)	-40~+70
Protection Grade	IP65
Work Pressure Range (kPa)	70-106
Working Relative Humidity	≤95%
MTBF(h)	>200000
Protection Against Lightning Strike(Ω)	Ground Resistance<5
Install	Rack/Wall

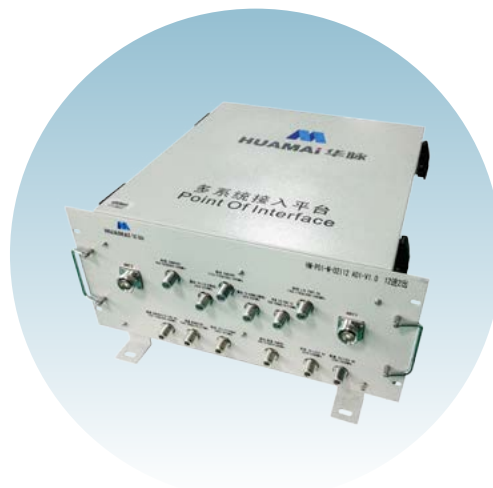
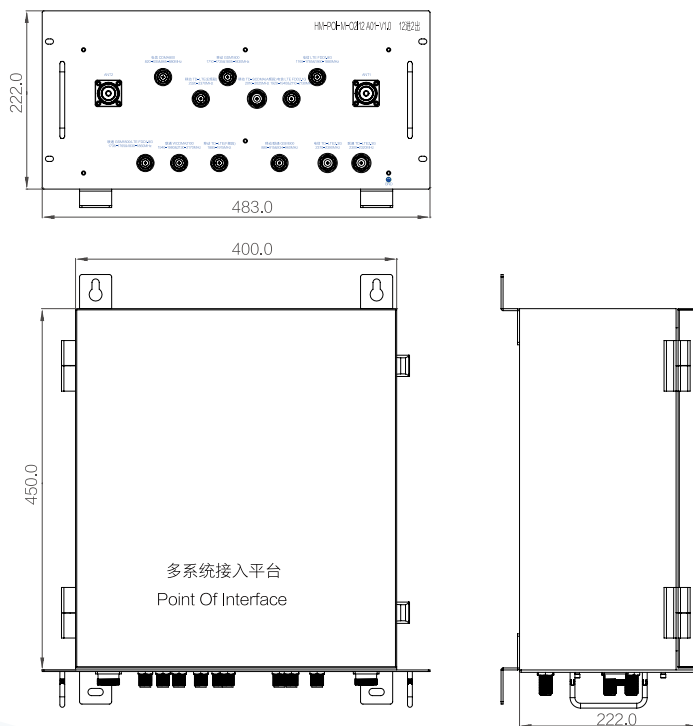
POI 12 in 2 out

HM-POI-M-O2I12 A01-V1.0

▶ Connector Specification

Serial	Port	Type	Transmission	Number	Fre(MHz)
1	GSM900	N-F	Duplex	1	889-915/934-960
2	GSM1800	N-F	Duplex	1	1710-1735/1805-1830
3	TD-LTE(F Fre)	N-F	Duplex	1	1885-1915
4	TD-SCDMA (A Fre)	N-F	Duplex	1	2320-2370
5	TD-LTE(E Fre)	N-F	Duplex	1	2320-2370
6	CDMA800	N-F	Duplex	1	820-835/865-880
7	LTE FDD1.8G	N-F	Duplex	1	1765-1785/1860-1880
8	LTE FDD2.1G	N-F	Duplex	1	1920-1940/2110-2130
9	TD-LTE 2.3G	N-F	Duplex	1	2370-2390
10	GSM1800/LTE FDD1.8G	N-F	Duplex	1	1735-1765/1830-1860
11	WCDMA2100	N-F	Duplex	1	1940-1980/2130-2170
12	TD-LTE 2.3G	N-F	Duplex	1	2300-2320

▶ Dimension (in mm)



► Electrical Specification

Frequency(MHz)	GSM900:Downlink 934-960MHz,Uplink 889-915
	GSM1800:Downlink 1805-1830MHz,Uplink 1710-1735
	TD-LTE(F Fre):1885-1915
	TD-SCDMA(A Fre):2010-2025
	TD-LTE(E Fre):2320-2370
	CDMA800:Downlink 865-880MHz,Uplink 820-835
	LTE FDD1.8G:Downlink 1860-1880MHz,Uplink 1765-1785
	LTE FDD2.1G:Downlink 2110-2130MHz,Uplink 1920-1940
	TD-LTE 2.3G:Downlink 2370-2390
	GSM1800/LTE FDD1.8G:Downlink 1830-1860,Uplink 1735-1765
	WCDMA2100:Downlink 2130-2170,Uplink 1940-1980
	TD-LTE 2G:Downlink 2300-2320
Insertion Loss(dB)	≤5.0
VSRW	≤1.3
Isolation(dB)	GSM1800 between GSM1800/LTE FDD1.8G≥28 GSM1800 between LTE FDD1.8G≥50 GSM1800/LTE FDD1.8G between LTE FDD1.8G≥28 WCDMA2100 between LTE FDD2.1G≥28 TD LTE between≥28 LTE FDD1.8G between TD-LTE(F Fre)≥50 LTE FDD2.1G between TD-LTE(F Fre)≥50 Other Port≥80
PIM3(dBc)	≤-153(@+43dBm×2)
Power Rating(W)	200,Max 1000
Ripple(dB)	≤1.5
Impedence(Ω)	50

► Environmental Specification

Working Environment Temperature (°C)	-40~+55
Storage Temperature (°C)	-40~+70
Protection Grade	IP65
Work Pressure Range (kPa)	70-106
Working Relative Humidity	≤95%
MTBF	>200000h
Protection Against Lightning Strike(Ω)	Ground Resistance 5
Install	Rack/Wall

