Seisen S.L.
C/ Rafael Pillado Nº30
Bloque 3, nave 10, Polígono Industrial Río de Janeiro
28 010 Madrid, Spain
Telf.: + 34 91 6287520
Fax: + 34 91 6287523

Technical specification

Lightning arrestor

(698-2700 MHz)

Type：GLQ (1/4) DinKK0627

1. GLQ(1/4) DinKK0627 lightning arrestor adopt "hybrid (gas+1/4)" coaxial preservation technology

Conform to RF Coaxial connector International standard: IEC60169-4: 1975

Conform to lightning and surge protection International standard: IEC61643-21

Connector type ：DIN-KK (female-female)

Conform to AISG standard

2. Working condition：

Working temperature：-40~+70 °C

Relative humidity： ＜95％

3. Material and coating：

	Name	Material	Coating
1	Barrel	Leaded brass (HPb59-1)	Nickel plated≥2μ
2	Shell	Leaded brass (HPb59-1)	Ternary allo plated≥2
3	Inner conductor	Leaded brass (HPb59-1)	Silver plated≥2μ
4	Jack	Tin bronze (QSn6.5-0.1)	Silver plated≥2μ
5	Contact pin	Leaded brass (HPb59-1)	Silver plated≥2μ
6	Blank cap	Leaded brass (HPb59-1)	Ternary allo plated≥2
7	Sealing	Silicon rubber	
8	Insulator	PTFE (SFX-1)	
9	Standard component		

Note: Coating and thickness may carry on the adjustment according to the customer requirement

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4. Mechanical electrical specification：

Test item		Standard
Standard gauge retentivity		6N-18N
Interconvertibility		Can be connected among the products with same type
Characteristic impedance		50Ω
Contact resistance(Ordinary state)	Inner conductor	≤0.4mΩ
	Outer conductor	≤0.2mΩ
Mechanical endurance		After 50 times of meshing test, appearance, contact resistance and standard gauge retentivity conform to the requirement
Frequency range (MHz)		698-2700
Max permission power (w)		2550
Nominal discharge voltage（V）		90/150/230,optional
Discharge capacity (kA@8/20μS)		5/10/20,optiomal
Remaining voltage(1kV/μs)		< 1000(typical value < 700)
VSWR(dB)		< 1.1@2.1-10 MHz
		< 1.2@698-800 MHz
		< 1.1@800-960 MHz
		< 1.1@1700-2750 MHz
Insertion loss(dB)		< 0.1@2.1-10 MHz(typical value < 0.05)
		< 0.1@698-2750 MHz(typical value < 0.05)
PIM3(dBc@2x20 W)		< -155@900&1800 &2100 &2700 MHz
Case protection grade		IP68

Note：When results of VSWR and Insertion loss tested by different analyzers are different should adopt the Agilent calibrating device as criteria

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5. Appearance and dimension：