

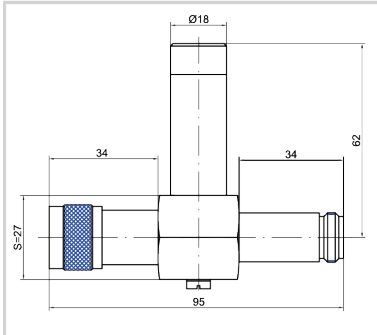


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PRC822S-N/MF

- ▶ Quarter wave coaxial protector type N
- ▶ Frequency : 800-2200 MHz
- ▶ Low insertion loss
- ▶ I_{max} > 50 kA
- ▶ Maintenance free
- ▶ Bi-directional
- ▶ IP65



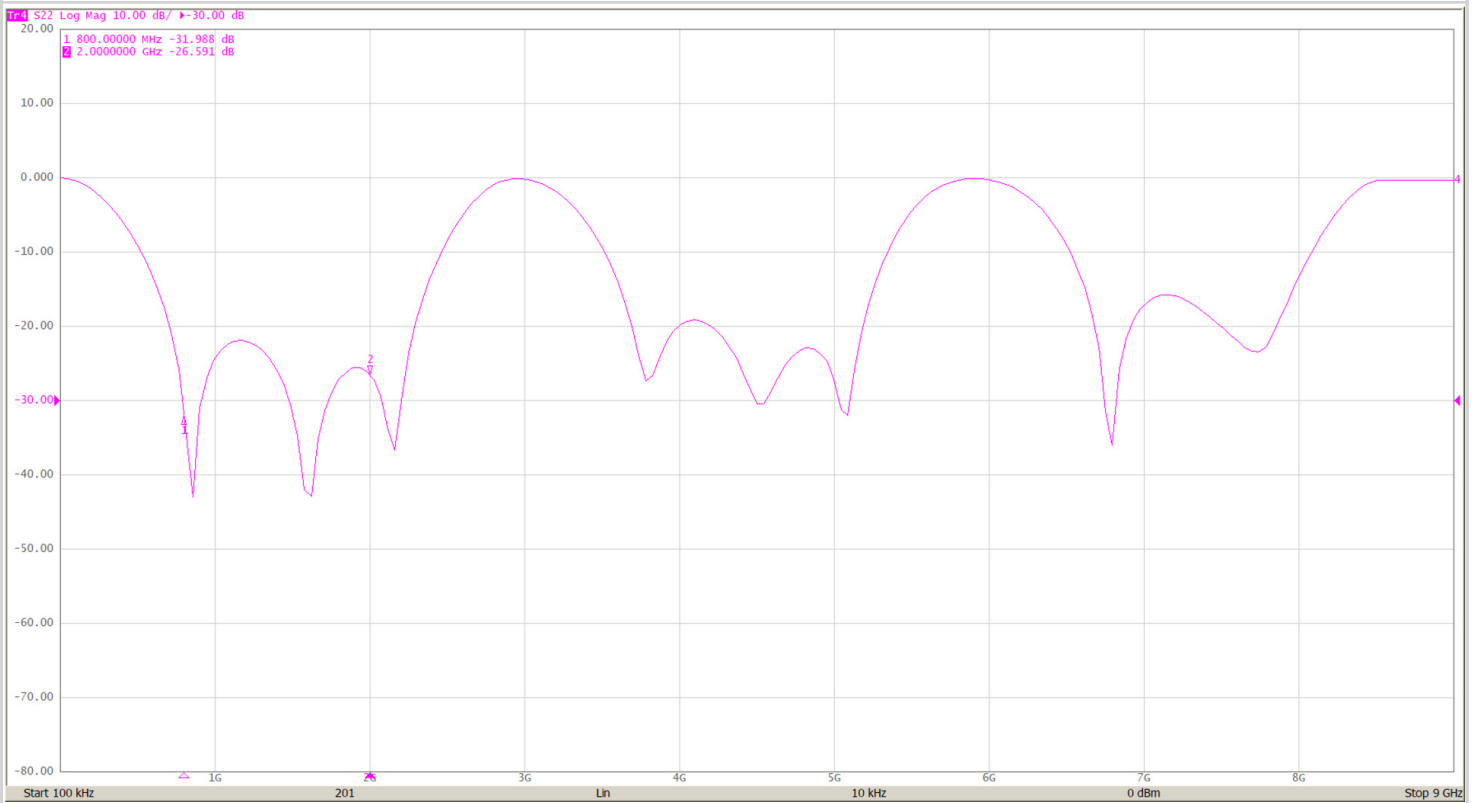
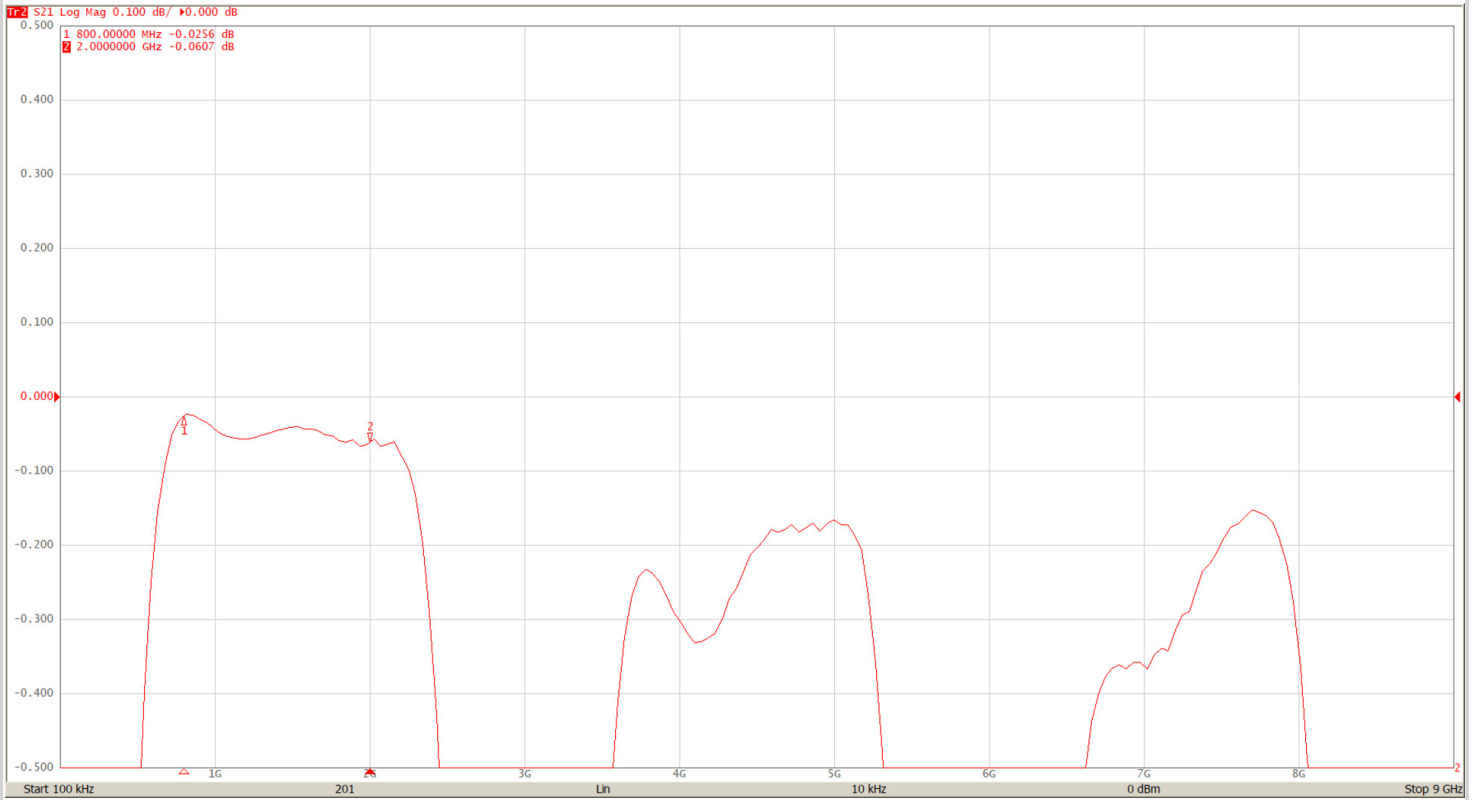
Electrical Characteristics		
Frequency range	f	800-2200 MHz
Insertion loss		< 0.1 dB
Return loss		> 20 dB
Impedance		50 ohms
VSWR		<1.1:1
Max. load current @25°C	IL	10 A
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	I _{max}	50 kA
Nominal discharge current <i>C2 Category</i>	I _n	25 kA
Protection mode(s)		Common mode
Protection level <i>@1kV/µs (C3)</i>	Up	30 V
Impulse current <i>2 x 10/350µs Test - D1 Category</i>	I _{imp}	25 kA
Max Power @f mini.		1437 W
PIM 3rd order (2x20W)		< -160 dBc
DC Pass		No
RF Power <i>Maximum</i>	W	1500.0000
Return Loss <i>Minimum</i>	db	20
VSWR <i>Maximum</i>	:1	<1.2:1
Max Total Discharge Current <i>I_{max} (8/20µs x 1)</i>	kA	40.0000
Max Discharge Current <i>I_{max} (8/20µs x 1)</i>	kA	40.0000
Installation		
Operating Temperature _{Min}	°C	-45.0000
Operating Temperature _{Max}	°C	85.0000
Operating Temperature _{Min}	°F	-50.0000
Operating Temperature _{Max}	°F	85.0000
Operating Relative Humidity _{Max}	%RH	Can be submerged
Operating Altitude _{Min}	Ft	2000.0000
Operating Altitude _{Max}	Ft	6500.0000
Housing/Enclosure material		Cu, Zn, Sn plated Brass
Mounting		Bracket or through hole
IP Environmental rating/IP		IP65
NEMA Environmental rating/NEMA		NEMA 4
Installation Location		Indoor / outdoor
Accessories		BK
Product Dimension _L	mm	95.0000
Product Dimension _W	mm	13.8000
Product Dimension _L	In	3.7400
Product Dimension _W	In	0.5433
Miscellaneous		
Individual Pack		No
Storage Temperature _{Min}	°C	-40.0000
Storage Temperature _{Max}	°C	85.0000
Storage Temperature _{Min}	°F	-40.0000
Storage Temperature _{Max}	°F	85.0000
Mechanical Characteristics		
Technology		Quarter Wave
Connection to Network		Connector N Male/Female
Mounting		Connector
Operating temperature	T _u	-40/+85°C
Protection rating		IP65
Failsafe mode		Without
Contacts		Bronze/Surface Au-Ag



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Insulation material	PTFE
Standards	
RohS compliance	Yes
Part number	
61003	





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