



PRC5800 N/MF



- 'Quarter wave' coaxial protector type N
- Frequency : 4500-6000 MHz
- Low insertion loss
- $I_{max} > 50$ kA
- Maintenance free
- Bi-directional
- IP65

Electrical Characteristics		
Max. load current	I_L	10 A
Max. frequency	f	4500-6000MHz
Insertion loss		< 0.2dB
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I_{max}	50 kA
Protection model(s)		Common mode
Protection level <i>@ I_n (8/20μs)</i>	U_p	< 30 V
Impulse current <i>2 x 10/350μs Test - D1 Category</i>	I_{imp}	25 kA
Nominal discharge current <i>8/20μs Test x 10 - C2 Category</i>	I_n	25 kA
Impedance		50 ohms
Max Power		1500 W
Return loss		> 20 dB
VSWR		<1.2:1
bandwith limit <i>low</i>	kHz	4500000
bandwith limit <i>high</i>	kHz	6000000
Impedance	Ω	50
Insertion loss <i>Maximum</i>	db	<0.2
Return Loss <i>Minimum</i>	db	>20
VSWR <i>Maximum</i>	:1	<1.2:1
Nominal Discharge Current <i>I_n (8/20μs x 10)</i>	kA	40
DC Pass		No
Connection Method		Series (bi-directional)
End of life		Short-circuit



Mechanical Characteristics	
Technology	Quarter Wave
Connection to Network	connector N Male/Female
Mounting	connector
Housing material	Brass/Surface plating : Cu Zn Sn
Operating temperature	-40/+85°C
Protection rating	IP65
Outdoor application	Yes
Failsafe behavior	without
Dimensions	See diagram
Contacts	Bronze/Surface Au-Ag
Insulation material	PTFE
Technology	Quarterwave

Standards	
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497C /
RohS compliance	Yes

Part Number	
	621152