

Quarter Wavelength RF Protector/L 16 access network surge protection device
1/4 Wavelength structure



Application

Quarter Wave RF Protector is designed for RF system, protecting signal line of communication equipment from lightning over-voltage, induced over-voltage, induced over-voltage, and operation over-voltage, widely applied in RF circuit protection of wireless coverage, base station, etc.

- IEEE G902 wireless LAN
- IEEE 802.11b and 802.11g wireless LAN
- PTN, MSPT
- Transport Network
- Access Network, FTTX, UTRAN
- Base station antenna feeder
- ISM
- MMDS
- Cellular
- PCS
- GPS
- 2G, 3G, 4G communication
- GSM, CDMA, WCDMA, TD-LTE, FDD-LTE
- Smart antenna SDMA

Features

- Wide frequency band
- Large discharge current
- Extremely low insertion loss and VSWR
- QWS technology
- Good performance from DC to 3GHz
- Low stike throughput energy
- Withstand multiple lightning strikes
- Bi-Directional Protection

Technical parameters

Model	R27DF-1/4	R27NF-1/4	R60NF-1/4	R05NF-1/4
Lighning proection zone(LPZ)	1-2			
Class				
According to DIN VDE 6075 Part 6 (Draft11.89)A1,A2	C			
According to IEC61643	II			
Max discharge current I _{max} (8/20μs) I _{max}	50KA	40KA	40KA	30KA
Working frequency	0.8--2.7GHz	0.8--2.7GHz	2.3-6GHz	0.4-0.5GH
Protection level In Up	≤200v			



Insertion Loss	≤0.1db			
Standing-wave ratio	≤1.15			
Interface form	UHF	N	DIN	BNC
Working conditions	Temperature: -40 to 80 °C, Relative humidity: ≤95%			
Standards compliance	IEC6000, EN60950			
Mounting	Be installed between protected equipment and signal line			
Material	stainless steel +Copper/ silver white			
IP code	IP20			
Connector type	DIN	N	N	N

Installation diagram

