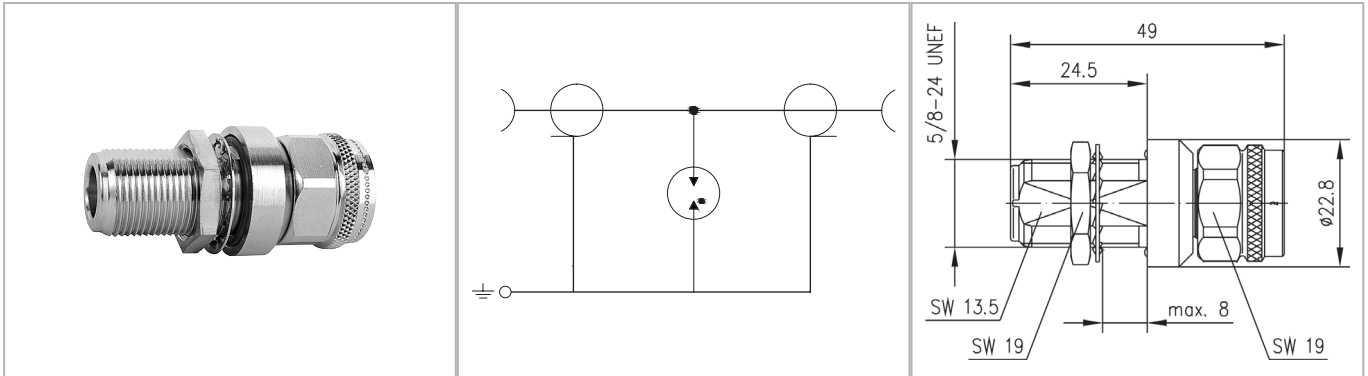


# Datasheet

## Surge protection for transmitting and receiving systems

### SPD with N connector



The devices are medium sized, precision, weatherproof connectors supplied with a screw coupling. Special design techniques for this series of connectors have resulted in excellent levels of performance with regard to return loss (VSWR) and intermodulation distortion.

- N surge suppressor male (m)-male (m) with gas discharge arrester
- Recommended coupling torque: 4-6 Nm

Technical Data		AntPro 6GHz-N(f/f)
Terminal input/output		N (f/f)
Nominal DC sparkover voltage at 100V/s	U <sub>agN</sub>	150-250 V=
Nominal discharge current (8/20 μs)	I <sub>n</sub>	5/10 kA
Protection level at 1 kV/μs	U <sub>p</sub>	≤ 600 V
Response time at 1 kV/μs	t <sub>A</sub>	< 50 ns
Max. aerial capacity (permanent HF capacity at VSWR = 1.1)	P <sub>max</sub>	25 W
Frequency range	f <sub>0</sub>	0-6000 MHz
Impedance	Z	50 Ω
Vertical resistance inner conductor	R	≤ 1.5 mΩ
Vertical resistance outer conductor	R	≤ 1.0 mΩ
Insulation resistance	R <sub>isol</sub>	≥ 5 GΩ
Voltage resistance at 50 Hz	U <sub>max</sub>	2.5 kV <sub>eff</sub>
Insertion loss rate at 1 and 3 GHz/6 GHz		≤ 0.1 / 0.2 dB
Return loss	RL	≥ -20 dB
Capacitance, typ. asym. inner-conductor/earth	C	≤ 1.5 pF
Operating temperature range	TU	-40 - +85 °C
Degree of protection (IEC EN 60529)		IP 67
Max. cross section earth connection		4-6 mm <sup>2</sup>
Test category/climatic category		55/155/21
Locking torque		4-6 Nm

### Order Data

Product	AntPro 6GHz-N(f/f)
Article-No.	04 00 11