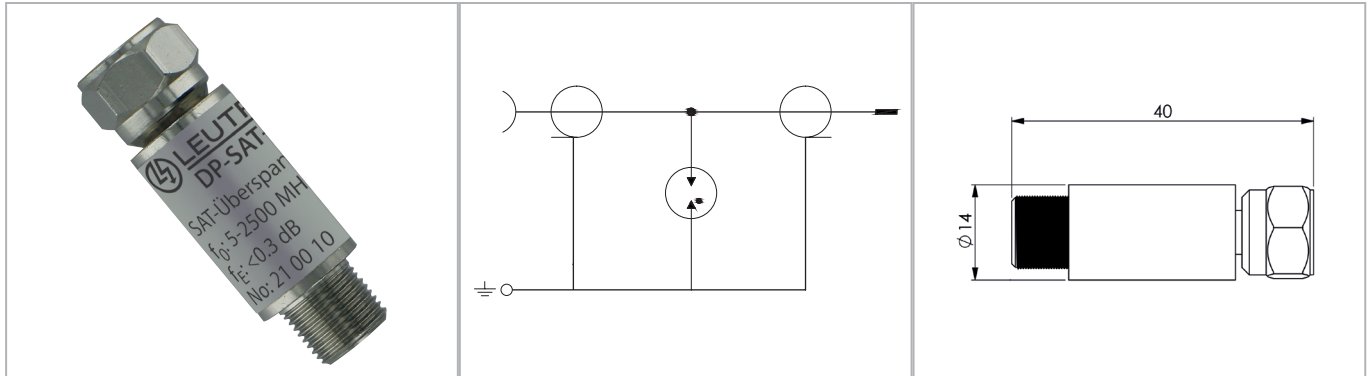


Datasheet

Surge protection for transmitting and receiving systems

SPD for SAT/TV/Radio applications



Gas-filled surge arrester (GDT) for the protection of radio and TV reception equipment. DP-SAT-F-5 ... 2500MHz should be screwed directly to each input of a multi-switch or directly to each LNB output. A gas discharge tube (GDT) works inside. If the static voltage between core and screen exceeds approximately 80 volts, a short circuit occurs in the GDT and conducts surge currents of up to 8,000 amps to earth. Once the overvoltage is over, the GDT switches back to protection.

- High performance antenna protection
- Easy installation
- Connections: F-plug / F-socket
- Suitable for outdoor use: F connector with sealing ring
- DC pass for remote supply
- Shielding level: 100 dB
- Insertion loss: < 0.3 dB

Technical Data		DP-SAT-F-5...2500MHz
IEC category		D1 / C2
Nominal voltage DC	UN	60 V=
Max. permissible rated direct voltage	Uc	75 V=
Nominal current	IL	0,5 A
D1 lightning impulse current (10/350 µs)	Iimp	2,5 kA
C2 nominal discharge current (8/20 µs) total	I _{max}	8 kA
Voltage protection level at Iimp (10/350)	Up	≤ 0,6 kV
Protection level at In (8/20 µs)	Up	≤ 0,6 kV
Max. impulse sparkover voltage	U _{as}	90 ±20% V
Impulse sparkover voltage core-shield (1 kV/µs)	U _{as}	≤ 600 V
Impedance	Z	75 Ω
Insertion loss	fE	< 0.3 dB
Frequency range	f0	5...2500 MHz
Insulation resistance	Risol	10 GΩ
Response time	tA	≤ 100 ns
Operating temperature range	TU	-40 - +80 °C
Type of connection		F75/F75 (socket/plug)
Locking torque		0,6 Nm
Enclosure material / colour		Nickel-plated brass
Dimensions (Ø x L)		14 x 40 mm

Order Data	
Product	DP-SAT-F-5...2500MHz
Article-No.	21 00 10