Trustworthy electronic circuit protection expert: antenna feeder lightning arrester

# S12-10K-TK

scope of application

Primarily designed for mobile communication base stations, wireless local calls, TD-SCDMA mobile networks, GPRS global positioning systems, MMDS microwave spread spectrum communication, and satellite/microwave communication transceiver stations, this equipment effectively protects electronic devices from lightning-induced damage in their antenna feeder systems and transceiver units.

technical parameter

model	S12-10K-TK
SPD basis: GB/T18802.21/IEC61643-21	C2
nominal voltage (Un)	12V
Maximum Continuous Operating Voltage (Uc)	18V
Nominal discharge current (8/20μs) [In]	10KA
Impulse current (10/350μs) [Iimp]	2.5KA
Voltage protection level (Up)	1KV
transmission speed	0～2.5GHz
insertion loss	≤0.5dB
standing-wave ratio	≤1.2
response time (t)	≤100ns
Working temperature range (Tu)	-40℃～+80℃
Network devices	antenna feeder
maximum load current	1A
cross-sectional area of conductive wire	2.5mm² multi-strand
way to install	threaded connection
Shell material	yellow metal
installation site	Indoor/Outdoor
relative humidity	≤95% No condensation

schematic diagram
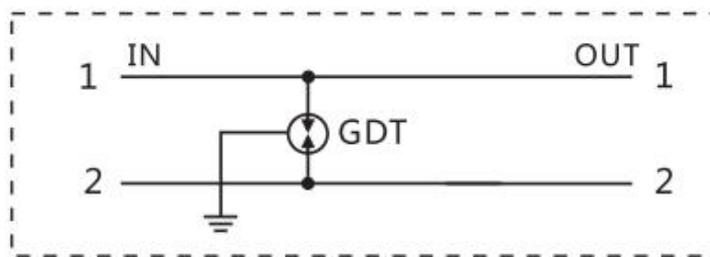
outline dimensional drawing
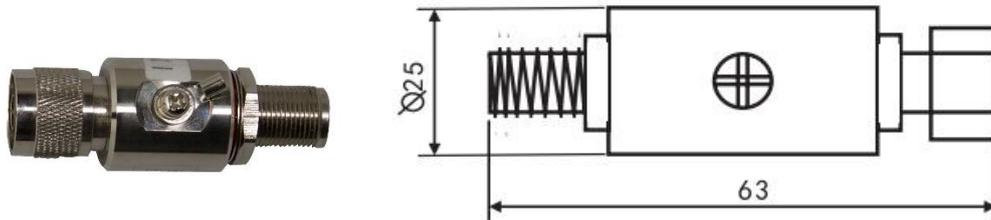
direction for use

1. The surge arrester is connected in series between the signal channel and the protected equipment.

2. Connect the surge arrester to the lightning protection system's grounding equalization ring reliably, and ensure the grounding wire length is less than 0.5 meters.

3. The surge arrester requires no special maintenance. If a system malfunction is suspected to be caused by the surge arrester, it can be removed for inspection. The system will recover if restored to its pre-use state.

    If the condition is normal, it indicates the lightning arrester is damaged and should be replaced.

Disclaimer

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.