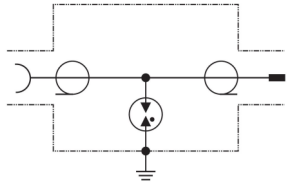




## ■ TSTLP®/TS series Antenna Surge Arrester

- ❖ **MAIN CHARACTER:** TS series antenna surge arrester is for 50Ω coaxial system at LPZ0B-1; Designed according to IEC 61643-21; GB 18802.21; YD/T 1542. Mainly used for various feed system, and so on.

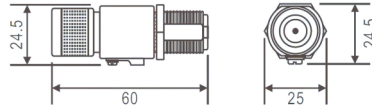


TS-G500N & TS-G500BNC Basic Circuit Diagram

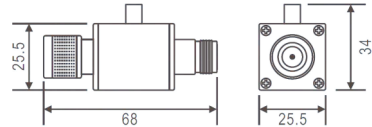


Product Photo

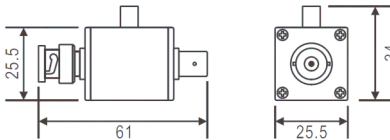
TS-G2500N



TS-G500N



TS-G500BNC



Dimension (mm)

## ❖ TECHNICAL DATA

Model		TS-G500N	TS-G500BNC	TS-G1000N	TS-G2500N	TS-G3000N
Rated voltage (max. continuous voltage)	U <sub>c</sub>	250V	250V	250V	90V	250V
Nominal current	I <sub>L</sub>	3.5A	3.5A	3.5A	---	3.5A
Lightning impulse current(10/350)	I <sub>imp</sub>	1KA	1KA	1KA	1KA	1KA
Nominal discharge current (8/20)	I <sub>n</sub>	5KA	5KA	5KA	5KA	8KA
Max. discharge current (8/20)	I <sub>max</sub>	10KA	10KA	10KA	---	20KA
Voltage protection level at I <sub>max</sub>	U <sub>p</sub>	≤700V	≤700V	≤700V	≤150V	≤750V
Frequency range	F	500MHZ	500MHZ	1000MHZ	2500MHZ	3000MHZ
Max.output power	p	500W	500W	500W	500W	500W
Insertion loss	a <sub>F</sub>	≤0.2dB	≤0.2dB	≤0.2dB	≤0.2dB	≤0.2dB
Return loss(input/output)	a <sub>r</sub>	≥20dB	≥20dB	≥20dB	≥20dB	≥20dB
Surge impedance	Z	50Ω	50Ω	50Ω	50Ω	50Ω
Operating temperature range		-40°C...+80°C				
Connection (input / output)		N head	BNC head	N socket/ N plug		
Shield earthing		Outgoing connecting port				
Enclosure material		Aluminum				
Standards		IEC 61643-21; GB 18802.21; YD/T 1542				
Compliance		CE(LVD,EMC)				

## ❖ MAIN CHARACTER

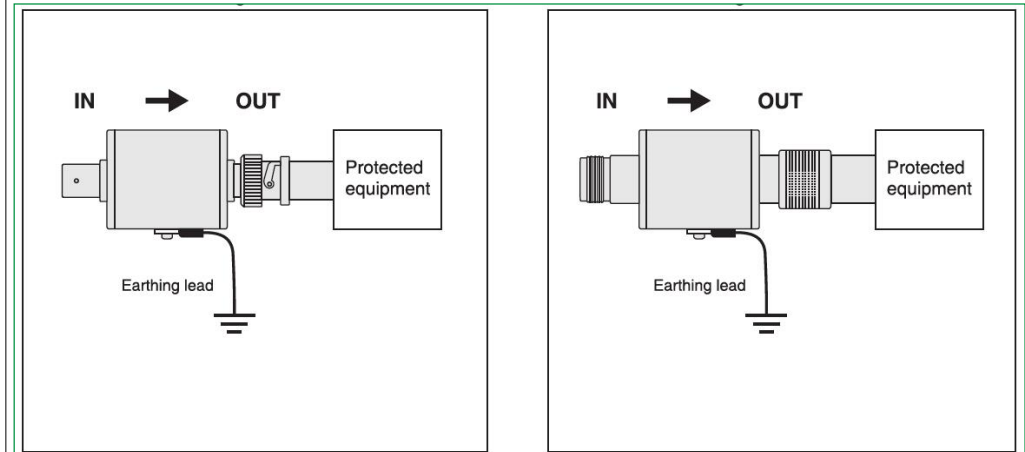
- ✓ Good discharge capacity, low voltage protection level
- ✓ Quick response, no interruption
- ✓ N or BNC connection, easy for installation

## INSTALLATION INSTRUCTION

1. This product is connected in series to the protected device.
2. The out terminal should be connected to the protected devices.
3. SPD's earthing terminal must be connected to nearby earthing BusBar or the metal earthing enclosure of protected device.
4. After above, you should ensure the circuit is functioning.

Regularly inspect the operating status, especially after lightning. Once the communication is off, electrician should check/replace the SPD.

## TS-G500N & TS-G500BNC INSTALLATION DIAGRAM



## WARNING:

- The device must be installed by electrically skilled person, conforming to national standards and safety regulations.
- It is recommended that installation should be done under power off condition.