

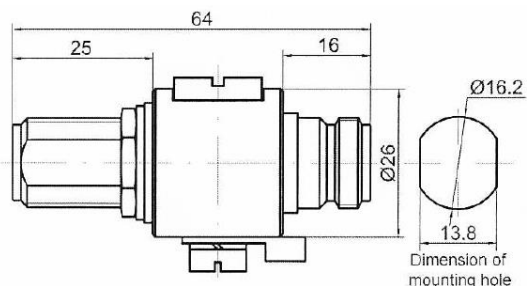
# HPL Gas Tube Surge Arrestor

# ASTB-33A

## Description

Gas tube surge protection for coaxial antenna lines. Those surge protectors have been design to protect antenna, microwaves, broadband applications, two-way radios, cellular equipment and GPS equipment against lighting surges and electrical transients. They are a first line of defense for your sensitive equipment. They employ a patented gas tube and are proposed in bulkhead version as a standard.

- 20 KA transient amps protection (8/20 μs)
- DC Pass to +/- 48 V
- Low VSWR and insertion loss
- Bi-directional
- Removable GDT
- Bulkhead



## Electrical Characteristics

Impedance:	50 ± 1Ω
Frequency Band:	DC to 3500MHz
Return Loss:	≤-20dB(typical -23 dB)
Insertion Loss:	≤ 0.2 dB
RF Power Transmission:	780 W (Max.)
Breakdown Voltage:	400~600 V (100V/s)
Max. Discharge Current:	20 KA (test pulse 8/20 μs)
Residual Voltage:	< 1150 V (1 KV/μs)

Product number	Interface	Bulkhead	Weight
C0604A	N female / N female	Yes	132 g
C0603A	N male / N female	Yes	140 g
C0878A	Din male / Din female	Yes	565g
C1046A	Din male / Din male	No	565g
C0879A	Din female / Din female	Yes	550g
C4721A	4.3-10 male / 4.3-10 female	Yes	

## Mechanical Characteristics

Housings:	Brass + Cu. Zn. Sn (plating)
Male Contacts:	Brass + Silver (plating)
Female Contacts:	Bronze + Silver (plating)
Insulator:	PTFE

## Environmental Characteristics

Waterproof Degree:	IP65
Operating Temperature Range:	- 40 °C to + 85 °C
RoHS Compliance:	Yes
Test Standard:	IEC 60529

## Mounting and Grounding

Bulkhead mounting on grounding paintless plate, MH32, max.15mm for wall thickness, M8 threaded hole (MH - mounting hole, M - screw).

Connection to equipotential network by wire (2.5mm<sup>2</sup> Min. - shorter length).