



*Bulkhead DIN female / DIN male*

## C1046A HYPERCELL

HPL Gas Tube Surge Arrestor

### GENERAL CHARACTERISTICS

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  $\mu$ s)
- DC Pass to +/- 48 V
- Low VSWR and insertion loss
- Bi-directional
- Removable GDT
- Bulkhead

### MECHANICAL

Housings:	Brass + Cu. Zn. Sn (plating)
Male Contacts:	Brass + Silver (plating)
Female:	CuBe2 + Silver (plating)

### ENVIRONMENTAL

Waterproof Degree:	IP65
Operating Temperature Range:	- 40 °C to + 80 °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 (2.5mm² Min. – shorter length).

ELECTRICAL

Impedance:	50 ± 1Ω
Frequency Band:	DC to 2500MHz
Return Loss:	≤-20dB(typical -23 dB)
Insertion Loss:	≤ 0.15 dB
RF Power Transmission:	1000 W (Max.)
Breakdown Voltage:	400~600 V (100V/s)
Max. Discharge Current:	20 KA (test pulse 8/20 μs)
Residual Voltage:	< 1000 V (1 KV/μs)

RANGE

Product number	Interface	Bulkhead	Weight
C1046A	Din male / Din male	No	565 g
C0878A	Din male / Din female	Yes	565 g
C0879A	Din female / Din female	Yes	550 g