

*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 µs)
- 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 |