

# C0876A
# HYPERCELL

HPL Quarter Wave Surge Arrestor

## GENERAL CHARACTERISTICS

Quarter-wave surge protection for coaxial antenna lines. This technology also known as "Shorting Stub", provides an excellent protection against any surges especially against lightning surges. Thanks to their technology, they need no special maintenance and provide a very low residual voltage. To achieve very low inter-modulation, these protectors are designed with a minimum of separate parts (minimum contacts) and the raw material and surface treatment are non-magnetic. This protector is tuned for a specific frequency range and so is not able to transmit DC supply.

- Wide band
- Very high discharge capacity
- Very low residual voltage
- Maintenance free
- Bulkhead as a standard

### MECHANICAL

| | |
|---|---|
| Housings: | Brass + Cu. Zn. Sn (plating) |
| Male Contacts: | Brass + Silver (plating) |
| Female Contacts: | Bronze + Silver (plating) |
| Insulator: | PTFE |
| Gaskets: | Silicone rubber |

### ENVIRONMENTAL

| | |
|---|---|
| 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 (2.5mm² Min. – shorter length).

## ELECTRICAL

| | |
|---|---|
| Impedance: | 50 ± 1Ω |
| Frequency Band: | 800 ~ 2200MHz |
| Return Loss: | ≤-20dB |
| Insertion Loss: | ≤ 0.2 dB |
| RF Power Transmission: | 2500 W (Max.) |
| Intermodulation: | ≤ -150 dBc |
| Max. Discharge Current: | 100 KA (test pulse 8/20 µs) |

# RANGE

| Product number | Interface | Bulkhead | Weight |
|---|---|---|---|
| C0600A | Din female /<br>Din male | Yes | 669 g |
| C0876A | Din female /<br>Din male | No | 492 g |
| C0602A | Din female /<br>Din female | Yes | 645g |
| C0877A | Din female /<br>Din female | No | 475g |