



C0766E HYPERCELL

Jumper 1/2F PE 7/16 Din Female - 7/16 Din Female

GENERAL CHARACTERISTICS

| | |
|------------|--|
| Cable: | ACOME 50-1/2F PE cable |
| Connector: | 7/16 Din female |
| Assembly: | Inner and outer contact 100% soldered and with molding |

MECHANICAL & ENVIRONMENTAL

| | |
|---|-----------------------------|
| Material and Finish of Connector Body: | Copper alloy - plated brass |
| Material and Finish of Coupling Nut: | Nickel - plated brass |
| Material and Finish of Inner Conductor: | Silver - plated bronze |
| Coupling Waterproof: | Silicone Rubber O-ring |
| Coupling Torque: | 30 N.m Max. |
| Minimum Bending Radius: | 70 mm |

ENVIRONMENTAL

| | |
|------------------------------|---|
| Operating Temperature Range: | $-55^{\circ}\text{C} < \theta < + 70^{\circ}\text{C}$ |
| Waterproof Index: | IP68 (1m /24 h) |
| RoHS Compliance: | Yes |
| Test Methods: | IEC 61169, IEC 62037, IEC 60529 |

ELECTRICAL

| | | | | |
|--|----------------|------------|----------------|------------|
| Impedance: | 50 ± 1Ω | | | |
| Operating Frequency Range: | DC ~ 3GHz | | | |
| RMS Power (40 °C - 2 GHz): | 0.81 KW | | | |
| Velocity: | 87% | | | |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2X20W Carriers: | IM3 at 900MHz | ≤ -160 dBc | | |
| | IM3 at 1800MHz | ≤ -160 dBc | IM7 at 2100MHz | ≤ -160 dBc |

RANGE

| Length (m) | Product number | Weight (g) | Frequency 0/1000MHz | | Frequency 1000/2200MHz | | Frequency 2200/3000MHz | |
|------------|----------------|------------|---------------------|----------|------------------------|----------|------------------------|----------|
| | | | RL (dB) | ATT (dB) | RL (dB) | ATT (dB) | RL (dB) | ATT (dB) |
| 1 | C0760E | 390 | -32 | 0.18 | -30 | 0.26 | -26 | 0.30 |
| 1.5 | C0761E | 505 | -32 | 0.22 | -30 | 0.32 | -26 | 0.37 |
| 2 | C0762E | 615 | -32 | 0.26 | -30 | 0.38 | -26 | 0.44 |
| 2.5 | C0763E | 730 | -32 | 0.28 | -30 | 0.43 | -26 | 0.51 |
| 3 | C0764E | 840 | -32 | 0.33 | -30 | 0.49 | -26 | 0.57 |
| 4 | C0765E | 1060 | -32 | 0.39 | -30 | 0.61 | -26 | 0.71 |
| 5 | C0766E | 1280 | -32 | 0.46 | -30 | 0.71 | -26 | 0.84 |