



C1589E-L50 HYPERCELL

Jumper 1/2SF PE 4.3-10 Male - 4.3-10 Male

GENERAL CHARACTERISTICS

| | |
|------------|--|
| Cable: | ACOME 50-1/2SF PE cable |
| Connector: | Screw type 4.3-10 male |
| 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: | 8 N.m Max. |
| Minimum Bending Radius: | 25 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): | 0.5 KW | | | |
| Velocity: | 83% | | | |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2X20W Carries: | IM3 at 900MHz | ≤ -161 dBc | | |
| | IM3 at 1800MHz | ≤ -161 dBc | IM7 at 2100MHz | ≤ -161 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) |
| 0.5 | C1589E-L50 | 155 | -32 | 0.26 | -30 | 0.29 | -26 | 0.31 |
| 0.7 | C1589E-L70 | 185 | -32 | 0.28 | -30 | 0.32 | -26 | 0.36 |
| 1 | C1589E-L100 | 235 | -32 | 0.31 | -30 | 0.37 | -26 | 0.40 |
| 1.5 | C1589E-L150 | 325 | -32 | 0.36 | -30 | 0.45 | -26 | 0.50 |
| 2 | C1589E-L200 | 410 | -32 | 0.42 | -30 | 0.54 | -26 | 0.60 |
| 2.5 | C1589E-L250 | 495 | -32 | 0.47 | -30 | 0.62 | -26 | 0.70 |
| 3 | C1589E-L300 | 580 | -32 | 0.53 | -30 | 0.71 | -26 | 0.81 |
| 4 | C1589E-L400 | 750 | -32 | 0.64 | -30 | 0.87 | -26 | 1.05 |
| 5 | C1589E-L500 | 920 | -32 | 0.75 | -30 | 1.05 | -26 | 1.20 |
| 10 | C1589E-L1000 | 1760 | -30 | 1.30 | -28 | 1.90 | -24 | 2.30 |