



C5924E-L180 HYPERCELL

Jumper 3/8SF PE 7/16 Din Female - 7/16 Din Male Elbow

GENERAL CHARACTERISTICS

| | |
|------------|--|
| Cable: | ACOME 50-3/8SF PE cable |
| Connector: | 7/16 Din female / 7/16 Din male elbow |
| Assembly: | Inner and outer contact 100% soldered and with thermal shrink tube |

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: | 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): | 0.51 KW | | | |
| Velocity: | 83% | | | |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2X20W Carries: | IM3 at 900MHz | ≤ -145 dBc | | |
| | IM3 at 1800MHz | ≤ -145 dBc | IM7 at 2100MHz | ≤ -145 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 | C5924E-L100 | 320 | -28 | 0.25 | -26 | 0.38 | -24 | 0.45 |
| 1.8 | C5924E-L180 | 425 | -28 | 0.36 | -26 | 0.55 | -24 | 0.65 |
| 2 | C5924E-L200 | 445 | -28 | 0.38 | -26 | 0.59 | -24 | 0.70 |
| 2.5 | C5924E-L250 | 515 | -28 | 0.45 | -26 | 0.70 | -24 | 0.83 |
| 3 | C5924E-L300 | 575 | -28 | 0.52 | -26 | 0.80 | -24 | 0.95 |