



C0903E HYPERCELL

Jumper 1/2SF PE 7/16 Din Male - 7/16 Din Male Elbow

GENERAL CHARACTERISTICS

| | |
|------------|--------------------------------------------------------|
| Cable: | ACOME 50-1/2SF PE cable |
| Connector: | 7/16 Din male / 7/16 Din male elbow |
| 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: | 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): | 0.52 KW | | | |
| Velocity: | 83% | | | |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2X20W Carries: | IM3 at 900MHz | ≤ -150 dBc | | |
| | IM3 at 1800MHz | ≤ -150 dBc | IM7 at 2100MHz | ≤ -150 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 | C1492E | 346 | -28 | 0.17 | -26 | 0.26 | -24 | 0.31 |
| 1 | C0256E | 430 | -28 | 0.22 | -26 | 0.34 | -24 | 0.41 |
| 1.5 | C0698E | 515 | -28 | 0.28 | -26 | 0.43 | -24 | 0.51 |
| 2 | C0699E | 605 | -28 | 0.33 | -26 | 0.51 | -24 | 0.61 |
| 2.5 | C0730E | 685 | -28 | 0.39 | -26 | 0.60 | -24 | 0.71 |
| 3 | C0731E | 770 | -28 | 0.44 | -26 | 0.68 | -24 | 0.81 |
| 3.5 | C1435E | 855 | -28 | 0.51 | -26 | 0.75 | -24 | 0.90 |
| 4 | C0732E | 940 | -28 | 0.54 | -26 | 0.85 | -24 | 1.01 |
| 5 | C0733E | 1110 | -28 | 0.66 | -26 | 1.02 | -24 | 1.21 |
| 6 | C1490E | 1280 | -28 | 0.78 | -26 | 1.19 | -24 | 1.42 |
| 7 | C1532E | 1450 | -28 | 0.88 | -26 | 1.36 | -24 | 1.62 |
| 8 | C1533E | 1615 | -28 | 0.99 | -26 | 1.53 | -24 | 1.82 |
| 10 | C0903E | 1960 | -28 | 1.22 | -26 | 1.87 | -24 | 2.22 |