



C0293E HYPERCELL

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

GENERAL CHARACTERISTICS

| | |
|------------|--------------------------------------------------------|
| Cable: | ACOME 50-1/2SF PE cable |
| Connector: | 7/16 Din male / N 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: | N interface | 2.5 N.m Max. |
| | Din interface | 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 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 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) |
| 0.5 | C2262E | 230 | -32 | 0.16 | -30 | 0.24 | -26 | 0.29 |
| 1 | C0311E | 313 | -32 | 0.21 | -30 | 0.33 | -26 | 0.37 |
| 1.5 | C0293E | 400 | -32 | 0.26 | -30 | 0.40 | -26 | 0.47 |
| 2 | C0294E | 483 | -32 | 0.33 | -30 | 0.48 | -26 | 0.57 |
| 3 | C0295E | 650 | -32 | 0.43 | -30 | 0.66 | -26 | 0.78 |
| 4 | C1456E | 820 | -32 | 0.55 | -30 | 0.84 | -26 | 1.00 |
| 5 | C0906E | 987 | -32 | 0.65 | -30 | 1.01 | -26 | 1.20 |
| 6 | C2048E | 1160 | -32 | 0.77 | -30 | 1.19 | -26 | 1.41 |
| 7 | C2049E | 1325 | -30 | 0.88 | -28 | 1.36 | -24 | 1.61 |
| 8 | C2050E | 1495 | -30 | 0.99 | -28 | 1.52 | -24 | 1.81 |
| 10 | C1538E | 1830 | -30 | 1.22 | -28 | 1.84 | -24 | 2.19 |