

# C1491E
# HYPERCELL

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

## GENERAL CHARACTERISTICS

| | |
|---|---|
| Cable: | ACOME 50-1/2SF PE cable |
| Connector: | 7/16 Din 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: | 30 N.m Max. |
| Minimum Bending Radius: | 25 mm |

### ENVIRONMENTAL

| | |
|---|---|
| Operating Temperature Range: | -55°C < θ < + 70°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 ℃ - 2 GHz): | | 0.52 KW | | |
| Velocity: | | 83% | | |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2X20W Carries: | 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 | C0268E | 270 | -32 | 0.15 | -30 | 0.23 | -26 | 0.27 |
| 0.7 | C1353E | 295 | -32 | 0.20 | -30 | 0.30 | -26 | 0.35 |
| 1 | C0021E | 350 | -32 | 0.21 | -30 | 0.33 | -26 | 0.37 |
| 1.5 | C0016E | 440 | -32 | 0.26 | -30 | 0.40 | -26 | 0.47 |
| 2 | C0022E | 520 | -32 | 0.33 | -30 | 0.48 | -26 | 0.57 |
| 2.5 | C0023E | 605 | -32 | 0.38 | -30 | 0.57 | -26 | 0.67 |
| 3 | C0018E | 695 | -32 | 0.43 | -30 | 0.66 | -26 | 0.78 |
| 3.5 | C1497E | 770 | -32 | 0.50 | -30 | 0.77 | -26 | 0.91 |
| 4 | C0246E | 860 | -32 | 0.54 | -30 | 0.82 | -26 | 0.97 |
| 4.5 | C1542E | 935 | -32 | 0.61 | -30 | 0.94 | -26 | 1.12 |
| 5 | C0248E | 1025 | -32 | 0.66 | -30 | 0.99 | -26 | 1.16 |
| 6 | C1375E | 1195 | -32 | 0.78 | -30 | 1.20 | -26 | 1.40 |
| 7 | C1530E | 1367 | -30 | 0.89 | -28 | 1.36 | -24 | 1.61 |
| 8 | C1531E | 1535 | -30 | 0.99 | -28 | 1.53 | -24 | 1.81 |
| 9 | C1552E | 1705 | -30 | 1.10 | -28 | 1.69 | -24 | 2.02 |
| 10 | C1407E | 1875 | -30 | 1.22 | -28 | 1.84 | -24 | 2.19 |
| 12 | C1491E | 2210 | -30 | 1.43 | -28 | 2.20 | -24 | 2.62 |
| 15 | C2673E | 2720 | -30 | 1.77 | -28 | 2.72 | -24 | 3.25 |