

# C0896E
# HYPERCELL

Jumper 1/2SF PE 7/16 Din Male – 7/16 Din Female

## GENERAL CHARACTERISTICS

| | |
|---|---|
| Cable: | ACOME 50-1/2F PE cable |
| Connector: | 7/16 Din male / 7/16 Din female |
| 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: | 70 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): | | 0.81 KW | | |
| Velocity: | | 87% | | |
| 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) |
| 1 | C0717E | 395 | -32 | 0.18 | -30 | 0.26 | -26 | 0.30 |
| 1.5 | C0865E | 510 | -32 | 0.22 | -30 | 0.32 | -26 | 0.37 |
| 2 | C0767E | 620 | -32 | 0.26 | -30 | 0.38 | -26 | 0.44 |
| 2.5 | C0934E | 730 | -32 | 0.28 | -30 | 0.43 | -26 | 0.51 |
| 3 | C0896E | 850 | -32 | 0.33 | -30 | 0.49 | -26 | 0.57 |
| 4 | C0935E | 1070 | -32 | 0.39 | -30 | 0.61 | -26 | 0.71 |
| 5 | C0780E | 1285 | -32 | 0.46 | -30 | 0.71 | -26 | 0.84 |
| 10 | C2106E | 2380 | -30 | 0.84 | -28 | 1.29 | -24 | 1.56 |