



## C1456E 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°C < $\theta$ < + 70°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 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        | 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     |