



## C2106E 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: | $-55^{\circ}\text{C} < \theta < + 70^{\circ}\text{C}$ |
| 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):  | 0.81 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     |