



## C0680E HYPERCELL

Jumper 1/2F PE N Male - N Male

## GENERAL CHARACTERISTICS

|            |                                                        |
|------------|--------------------------------------------------------|
| Cable:     | ACOME 50-1/2F PE cable                                 |
| Connector: | 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:                        | 2.5 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 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          | C0680E         | 355        | -32                 | 0.18     | -30                    | 0.26     | -26                    | 0.30     |
| 1.5        | C0681E         | 470        | -32                 | 0.22     | -30                    | 0.32     | -26                    | 0.37     |
| 2          | C0682E         | 580        | -32                 | 0.26     | -30                    | 0.38     | -26                    | 0.44     |
| 2.5        | C0683E         | 690        | -32                 | 0.28     | -30                    | 0.43     | -26                    | 0.51     |
| 3          | C0277E         | 810        | -32                 | 0.33     | -30                    | 0.49     | -26                    | 0.57     |
| 4          | C0684E         | 1020       | -32                 | 0.39     | -30                    | 0.61     | -26                    | 0.71     |
| 5          | C0685E         | 1240       | -32                 | 0.46     | -30                    | 0.71     | -26                    | 0.84     |
| 25         | C1458E         | 5650       | -30                 | 1.94     | -28                    | 2.98     | -24                    | 3.55     |