



## C0970E HYPERCELL

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

## GENERAL CHARACTERISTICS

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Cable:     | ACOME 50-1/2SF PE cable                                            |
| Connector: | 7/16 Din male / N male elbow                                       |
| Assembly:  | Inner and outer contact 100% soldered and with thermal shrink tube |

## 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: | $-55^{\circ}\text{C} < \theta < +70^{\circ}\text{C}$ |
| 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):                                                    |                | 0.52 KW    |  |                |            |
| Velocity:                                                                     |                | 83%        |  |                |            |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2X20W Carries: | IM3 at 900MHz  | ≤ -145 dBc |  |                |            |
|                                                                               | IM3 at 1800MHz | ≤ -145 dBc |  | IM7 at 2100MHz | ≤ -145 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          | C1447E         | 390        | -28                 | 0.22     | -26                    | 0.34     | -24                    | 0.41     |
| 2          | C1448E         | 555        | -28                 | 0.33     | -26                    | 0.51     | -24                    | 0.61     |
| 3          | C0970E         | 730        | -28                 | 0.44     | -26                    | 0.68     | -24                    | 0.81     |
| 4          | C1449E         | 900        | -28                 | 0.55     | -26                    | 0.85     | -24                    | 1.01     |
| 5          | C1446E         | 1070       | -28                 | 0.66     | -26                    | 1.02     | -24                    | 1.22     |