



## C1312E HYPERCELL

Jumper 1/4SF LSOH N Male Elbow - N Male

### GENERAL CHARACTERISTICS

|            |  |
|------------|--|
| Cable:     | ACOME 50-1/4SF LSOH cable  |
| Connector: | N male elbow / N male  |
| 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:                        | 2.5 N.m Max.                |
| Minimum Bending Radius:                 | 25 mm                       |

### ENVIRONMENTAL

|                              |   |
|------------------------------|---|
| Operating Temperature Range: | $-40^{\circ}\text{C} < \theta < + 70^{\circ}\text{C}$ |
| 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):  | 0.35 KW        |            |
| Velocity:   | 83%            |            |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2x 20W Carriers: | 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          | C1311X         | 260        | -28                 | 0.32     | -26                    | 0.49     | -24                    | 0.57     |
| 2          | C1312X         | 345        | -28                 | 0.55     | -26                    | 0.79     | -24                    | 0.93     |
| 2.5        | C1301X         | 385        | -28                 | 0.62     | -26                    | 0.94     | -24                    | 1.11     |
| 3.5        | C1302X         | 470        | -28                 | 0.81     | -26                    | 1.24     | -24                    | 1.46     |