



## C1372E HYPERCELL

Jumper 1/4SF PE N Male – N Male

### GENERAL CHARACTERISTICS

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Cable:     | ACOME 50-1/4SF PE cable                                            |
| Connector: | 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: | $-55^{\circ}\text{C} < \theta < +70^{\circ}\text{C}$ |
| Waterproof Index:            | IP68 (1m /24 h)                                      |
| RoHS Compliance:             | Yes                                                  |
| Test Methods:                | IEC 61169, IEC 60529                                 |

### ELECTRICAL

|                                                                                  |                  |                         |
|----------------------------------------------------------------------------------|------------------|-------------------------|
| Impedance:                                                                       | $50 \pm 1\Omega$ |                         |
| Operating Frequency Range:                                                       | DC ~ 3GHz        |                         |
| RMS Power (40 °C - 2 GHz):                                                       | 0.35 KW          |                         |
| Velocity:                                                                        | 83%              |                         |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2 x 20W Carriers: | IM3 at 900MHz    | $\leq -160 \text{ dBc}$ |
|                                                                                  | IM3 at 1800MHz   | $\leq -160 \text{ dBc}$ |
|                                                                                  | IM7 at 2100MHz   | $\leq -160 \text{ dBc}$ |

RANGE

| Length<br>(m) | Product<br>number | Weight<br>(g) | Frequency<br>0/1000MHz |             | Frequency<br>1000/2200MHz |          | Frequency<br>2200/3000MHz |          |
|---------------|-------------------|---------------|------------------------|-------------|---------------------------|----------|---------------------------|----------|
|               |                   |               | RL<br>(dB)             | ATT<br>(dB) | RL (dB)                   | ATT (dB) | RL (dB)                   | ATT (dB) |
| 0.2           | C2246E            | 105           | -32                    | 0.16        | -30                       | 0.25     | -26                       | 0.29     |
| 0.3           | C2374E            | 115           | -32                    | 0.19        | -30                       | 0.28     | -26                       | 0.32     |
| 0.5           | C0884E            | 125           | -32                    | 0.22        | -30                       | 0.33     | -26                       | 0.39     |
| 1             | C1369E            | 165           | -32                    | 0.30        | -30                       | 0.46     | -26                       | 0.53     |
| 1.5           | C1370E            | 200           | -32                    | 0.40        | -30                       | 0.61     | -26                       | 0.71     |
| 2             | C1368E            | 235           | -32                    | 0.51        | -30                       | 0.76     | -26                       | 0.89     |
| 2.5           | C1371E            | 270           | -32                    | 0.60        | -30                       | 0.91     | -26                       | 1.08     |
| 3             | C1372E            | 305           | -32                    | 0.70        | -30                       | 1.07     | -26                       | 1.25     |
| 4             | C1373E            | 375           | -32                    | 0.90        | -30                       | 1.36     | -26                       | 1.61     |
| 5             | C1374E            | 450           | -32                    | 1.09        | -30                       | 1.66     | -26                       | 1.96     |