



## C1589E-L1000 HYPERCELL

Jumper 1/2SF PE 4.3-10 Male - 4.3-10 Male

### GENERAL CHARACTERISTICS

|            |  |
|------------|--|
| Cable:     | ACOME 50-1/2SF PE cable                                |
| Connector: | Screw type 4.3-10 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:                        | 8 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 62037, IEC 60529                       |

## ELECTRICAL

|   |                |            |                |            |
|---|----------------|------------|----------------|------------|
| Impedance:  | 50 ± 1Ω        |            |                |            |
| Operating Frequency Range:  | DC ~ 3GHz      |            |                |            |
| RMS Power (40 °C - 2 GHz):  | 0.5 KW         |            |                |            |
| Velocity:   | 83%            |            |                |            |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2X20W Carries: | IM3 at 900MHz  | ≤ -161 dBc |                |            |
|   | IM3 at 1800MHz | ≤ -161 dBc | IM7 at 2100MHz | ≤ -161 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) |
| 0.5        | C1589E-L50     | 155        | -32                 | 0.26     | -30                    | 0.29     | -26                    | 0.31     |
| 0.7        | C1589E-L70     | 185        | -32                 | 0.28     | -30                    | 0.32     | -26                    | 0.36     |
| 1          | C1589E-L100    | 235        | -32                 | 0.31     | -30                    | 0.37     | -26                    | 0.40     |
| 1.5        | C1589E-L150    | 325        | -32                 | 0.36     | -30                    | 0.45     | -26                    | 0.50     |
| 2          | C1589E-L200    | 410        | -32                 | 0.42     | -30                    | 0.54     | -26                    | 0.60     |
| 2.5        | C1589E-L250    | 495        | -32                 | 0.47     | -30                    | 0.62     | -26                    | 0.70     |
| 3          | C1589E-L300    | 580        | -32                 | 0.53     | -30                    | 0.71     | -26                    | 0.81     |
| 4          | C1589E-L400    | 750        | -32                 | 0.64     | -30                    | 0.87     | -26                    | 1.05     |
| 5          | C1589E-L500    | 920        | -32                 | 0.75     | -30                    | 1.05     | -26                    | 1.20     |
| 10         | C1589E-L1000   | 1760       | -30                 | 1.30     | -28                    | 1.90     | -24                    | 2.30     |