



## C1394E-L500 HYPERCELL

Jumper 3/8SF PE N male - N male

### GENERAL CHARACTERISTICS

|            |  |
|------------|--|
| Cable:     | ACOME 50-3/8SF 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 ± 1Ω        |            |                |            |
| Operating Frequency Range:  | DC ~ 3GHz      |            |                |            |
| RMS Power (40 °C - 2 GHz):  | 0.51 KW        |            |                |            |
| Velocity:   | 83%            |            |                |            |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2× 20W Carriers: | 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) |
| 0.7        | C1394E-L70     | 225        | -32                 | 0.21     | -30                    | 0.32     | -26                    | 0.38     |
| 0.8        | C1394E-L80     | 235        | -32                 | 0.23     | -30                    | 0.35     | -26                    | 0.41     |
| 1          | C1394E-L100    | 260        | -32                 | 0.25     | -30                    | 0.38     | -26                    | 0.45     |
| 1.5        | C1394E-L150    | 325        | -32                 | 0.33     | -30                    | 0.48     | -26                    | 0.58     |
| 2          | C1394E-L200    | 390        | -32                 | 0.38     | -30                    | 0.59     | -26                    | 0.70     |
| 2.5        | C1394E-L250    | 450        | -32                 | 0.46     | -30                    | 0.70     | -26                    | 0.83     |
| 3          | C1394E-L300    | 515        | -32                 | 0.53     | -30                    | 0.80     | -26                    | 0.95     |
| 4          | C1394E-L400    | 640        | -32                 | 0.67     | -30                    | 1.01     | -26                    | 1.20     |
| 5          | C1394E-L500    | 770        | -32                 | 0.81     | -30                    | 1.22     | -26                    | 1.45     |