



## C5748E-L500 HYPERCELL

Jumper 3/8SF PE 7/16 Din Male – 7/16 Din Male

### GENERAL CHARACTERISTICS

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Cable:     | ACOME 50-3/8SF PE cable                                            |
| Connector: | 7/16 Din male / 7/16 Din 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:                        | 30 N.m Max.                 |
| Minimum Bending Radius:                 | 25 mm                       |

### ENVIRONMENTAL

|                              |                                 |
|------------------------------|---------------------------------|
| Operating Temperature Range: | -55°C < $\theta$ < + 70°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):                                                    |                | 0.51 KW    |  |                |            |
| Velocity:                                                                     |                | 83%        |  |                |            |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2X20W Carries: | 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) |
| 1          | C5748E-L100    | 315        | -32                 | 0.25     | -30                    | 0.38     | -26                    | 0.45     |
| 1.5        | C5748E-L150    | 376        | -32                 | 0.33     | -30                    | 0.48     | -26                    | 0.58     |
| 2          | C5748E-L200    | 440        | -32                 | 0.38     | -30                    | 0.59     | -26                    | 0.70     |
| 3          | C5748E-L300    | 575        | -32                 | 0.53     | -30                    | 0.80     | -26                    | 0.95     |
| 4          | C5748E-L400    | 695        | -32                 | 0.67     | -30                    | 1.01     | -26                    | 1.20     |
| 5          | C5748E-L500    | 825        | -32                 | 0.81     | -30                    | 1.22     | -26                    | 1.45     |