



## C2250E-L500 HYPERCELL

Jumper 1/2SF PE 4.3-10 Male - 7/16 Din Male

### GENERAL CHARACTERISTICS

|            |  |
|------------|--|
| Cable:     | ACOME 50-1/2SF PE cable                                |
| Connector: | Screw Type 4.3-10 Male /7/16 Din 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:                        | Din interface               | 30 N.m Max. |
|   | 4.3-10 interface            | 8 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):   | 0.50 KW        |            |                |            |
| Velocity:  | 83%            |            |                |            |
| Passive Intermodulation Measured In Swept Frequency Mode, With 2X20W Carriers: | 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) |
| 1          | C2250E-L100    | 300        | -32                 | 0.31     | -30                    | 0.37     | -26                    | 0.41     |
| 1.5        | C2250E-L150    | 385        | -32                 | 0.36     | -30                    | 0.45     | -26                    | 0.51     |
| 2          | C2250E-L200    | 470        | -32                 | 0.42     | -30                    | 0.54     | -26                    | 0.60     |
| 3          | C2250E-L300    | 640        | -32                 | 0.53     | -30                    | 0.71     | -26                    | 0.81     |
| 4          | C2250E-L400    | 810        | -32                 | 0.64     | -30                    | 0.87     | -26                    | 1.05     |
| 5          | C2250E-L500    | 970        | -32                 | 0.75     | 30                     | 1.05     | -26                    | 1.20     |
| 6          | C2250E-L600    | 1140       | -32                 | 0.86     | -30                    | 1.21     | -26                    | 1.42     |
| 7          | C2250E-L700    | 1310       | -30                 | 0.97     | -28                    | 1.38     | -24                    | 1.62     |
| 8          | C2250E-L800    | 1480       | -30                 | 1.08     | -28                    | 1.55     | -24                    | 1.82     |
| 10         | C2250E-L1000   | 1820       | -30                 | 1.29     | -28                    | 1.88     | -24                    | 2.22     |