



## C2440E-L3000 HYPERCELL

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

## GENERAL CHARACTERISTICS

|            |                                       |
|------------|---------------------------------------|
| Cable:     | ACOME 50-1/2F PE cable                |
| Connector: | 4.3-10 Male / 7/16 Din male           |
| Assembly:  | Inner and outer contact 100% soldered |

## 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:                 | 70 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):                                                     |                | 0.81 KW    |  |                |            |
| Velocity:                                                                      |                | 87%        |  |                |            |
| 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<br>(m) | Product number | Frequency<br>0/1000MHz |          | Frequency<br>1000/2200MHz |          | Frequency<br>2200/3000MHz |          |
|---------------|----------------|------------------------|----------|---------------------------|----------|---------------------------|----------|
|               |                | RL (dB)                | ATT (dB) | RL (dB)                   | ATT (dB) | RL (dB)                   | ATT (dB) |
| 0.5           | C2440E-L50     | -26                    | 0.18     | -26                       | 0.24     | -26                       | 0.27     |
| 1             | C2440E-L100    | -26                    | 0.22     | -26                       | 0.29     | -26                       | 0.34     |
| 1.5           | C2440E-L150    | -26                    | 0.25     | -26                       | 0.35     | -26                       | 0.41     |
| 2             | C2440E-L200    | -26                    | 0.29     | -26                       | 0.40     | -26                       | 0.47     |
| 2.5           | C2440E-L250    | -26                    | 0.33     | -26                       | 0.46     | -26                       | 0.54     |
| 3             | C2440E-L300    | -26                    | 0.36     | -26                       | 0.51     | -26                       | 0.61     |
| 3.5           | C2440E-L350    | -26                    | 0.40     | -26                       | 0.57     | -26                       | 0.67     |
| 4             | C2440E-L400    | -26                    | 0.44     | -26                       | 0.62     | -26                       | 0.74     |
| 4.5           | C2440E-L450    | -26                    | 0.47     | -26                       | 0.68     | -26                       | 0.81     |
| 5             | C2440E-L500    | -26                    | 0.51     | -26                       | 0.73     | -26                       | 0.87     |
| 6             | C2440E-L600    | -26                    | 0.58     | -26                       | 0.85     | -26                       | 1.01     |
| 7             | C2440E-L700    | -26                    | 0.65     | -26                       | 0.96     | -26                       | 1.14     |
| 8             | C2440E-L800    | -26                    | 0.73     | -26                       | 1.08     | -26                       | 1.27     |
| 9             | C2440E-L900    | -26                    | 0.80     | -26                       | 1.18     | -26                       | 1.41     |
| 10            | C2440E-L1000   | -26                    | 0.87     | -26                       | 1.29     | -26                       | 1.54     |
| 15            | C2440E-L1500   | -26                    | 1.29     | -26                       | 1.88     | -26                       | 2.23     |
| 20            | C2440E-L2000   | -26                    | 1.66     | -26                       | 2.44     | -24                       | 2.88     |
| 25            | C2440E-L2500   | -26                    | 2.05     | -26                       | 3.02     | -24                       | 3.59     |
| 30            | C2440E-L3000   | -26                    | 2.42     | -26                       | 3.60     | -24                       | 4.25     |