



## C0729E HYPERCELL

Jumper 1/2F PE 7/16 Din Male – N Female

## GENERAL CHARACTERISTICS

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Cable:     | ACOME 50-1/2F PE cable                                             |
| Connector: | 7/16 Din male / N male solder                                      |
| 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:                        | N interface                 | 2.5 N.m Max. |
|                                         | Din interface               | 30 N.m Max.  |
| Minimum Bending Radius:                 | 70 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):                                                    |                | 0.81 KW    |  |                |            |
| Velocity:                                                                     |                | 87%        |  |                |            |
| 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          | C0715E         | 375        | -32                 | 0.18     | -30                    | 0.26     | -26                    | 0.30     |
| 2          | C0768E         | 595        | -32                 | 0.26     | -30                    | 0.38     | -26                    | 0.44     |
| 3          | C0722E         | 815        | -32                 | 0.33     | -30                    | 0.49     | -26                    | 0.57     |
| 5          | C0729E         | 1255       | -32                 | 0.46     | -30                    | 0.71     | -26                    | 0.84     |