



## C1552E HYPERCELL

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

## GENERAL CHARACTERISTICS

|            |                                                        |
|------------|--------------------------------------------------------|
| Cable:     | ACOME 50-1/2SF PE cable                                |
| Connector: | 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:                        | 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):                                                    |                |  | 0.52 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) |
| 0.5        | C0268E         | 270        | -32                 | 0.15     | -30                    | 0.23     | -26                    | 0.27     |
| 0.7        | C1353E         | 295        | -32                 | 0.20     | -30                    | 0.30     | -26                    | 0.35     |
| 1          | C0021E         | 350        | -32                 | 0.21     | -30                    | 0.33     | -26                    | 0.37     |
| 1.5        | C0016E         | 440        | -32                 | 0.26     | -30                    | 0.40     | -26                    | 0.47     |
| 2          | C0022E         | 520        | -32                 | 0.33     | -30                    | 0.48     | -26                    | 0.57     |
| 2.5        | C0023E         | 605        | -32                 | 0.38     | -30                    | 0.57     | -26                    | 0.67     |
| 3          | C0018E         | 695        | -32                 | 0.43     | -30                    | 0.66     | -26                    | 0.78     |
| 3.5        | C1497E         | 770        | -32                 | 0.50     | -30                    | 0.77     | -26                    | 0.91     |
| 4          | C0246E         | 860        | -32                 | 0.54     | -30                    | 0.82     | -26                    | 0.97     |
| 4.5        | C1542E         | 935        | -32                 | 0.61     | -30                    | 0.94     | -26                    | 1.12     |
| 5          | C0248E         | 1025       | -32                 | 0.66     | -30                    | 0.99     | -26                    | 1.16     |
| 6          | C1375E         | 1195       | -32                 | 0.78     | -30                    | 1.20     | -26                    | 1.40     |
| 7          | C1530E         | 1367       | -30                 | 0.89     | -28                    | 1.36     | -24                    | 1.61     |
| 8          | C1531E         | 1535       | -30                 | 0.99     | -28                    | 1.53     | -24                    | 1.81     |
| 9          | C1552E         | 1705       | -30                 | 1.10     | -28                    | 1.69     | -24                    | 2.02     |
| 10         | C1407E         | 1875       | -30                 | 1.22     | -28                    | 1.84     | -24                    | 2.19     |
| 12         | C1491E         | 2210       | -30                 | 1.43     | -28                    | 2.20     | -24                    | 2.62     |
| 15         | C2673E         | 2720       | -30                 | 1.77     | -28                    | 2.72     | -24                    | 3.25     |