

# COAXIAL ADAPTER, 7/16, 50 Ohm, Panel, jack / jack (female) / female), flange mount

37\_716-50-0-1/003\_-

## Properties

- Wide range of different configurations
- Most common interfaces available
- Accurate transitions
- Effective and reliable interconnection solutions
- Appropriate materials



| Product configuration |               |                                           |
|-----------------------|---------------|-------------------------------------------|
| Interface type        | Gender        | Standard                                  |
| 7/16                  | jack (female) | IEC 61169-4_CECC 22190_DIN 47223_VG 95250 |
| 7/16                  | jack (female) | IEC 61169-4_CECC 22190_DIN 47223_VG 95250 |

| Interface and material data |            |                       |
|-----------------------------|------------|-----------------------|
| 7/16                        |            |                       |
| Piece parts                 | Material   | Plating               |
| Centre contact              | Bronze     | Silver Plating        |
| Outer conductor             | Bronze     | Silver Plating        |
| Body                        | Brass      | SUCOPLATE (R) Plating |
| Insulator                   | PFA / PTFE |                       |
| 7/16                        |            |                       |
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| Outer conductor             | Bronze     | Silver Plating        |
| Body                        | Brass      | SUCOPLATE (R) Plating |
| Insulator                   | PFA / PTFE |                       |

| Electrical data     |                                                   |
|---------------------|---------------------------------------------------|
| Impedance           | 50 Ω                                              |
| Interface frequency | 7.5 GHz                                           |
| VSWR                | DC - 7.5 GHz ( $\leq 1.03 + 0.01 f \text{ GHz}$ ) |

| Electrical Data (frequency related) |             |      |
|-------------------------------------|-------------|------|
| Frequency range                     | Return loss | VSWR |
| 0 GHz ... 3 GHz                     | 36 dB       | 1.03 |

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| Mechanical data            |                                   |                          |                      |
|----------------------------|-----------------------------------|--------------------------|----------------------|
| Weight                     |                                   | 0.1238 kg                |                      |
| Mating cycles              |                                   | 500                      |                      |
|                            |                                   |                          |                      |
| Environmental data         |                                   |                          |                      |
| Operation temperature      |                                   | -65 °C ... 165 °C        |                      |
|                            |                                   |                          |                      |
| Material compliance        |                                   |                          |                      |
| Item number                | Directive / Regulation            | Rating                   | Exemptions / Details |
| 22544122                   | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption | 6c                   |
|                            |                                   |                          |                      |
| Ordering Information Table |                                   |                          |                      |
| Item number                | Item description                  |                          | Packaging type       |
| 22544122                   | 37_716-50-0-1/003_-E              |                          | Single               |

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