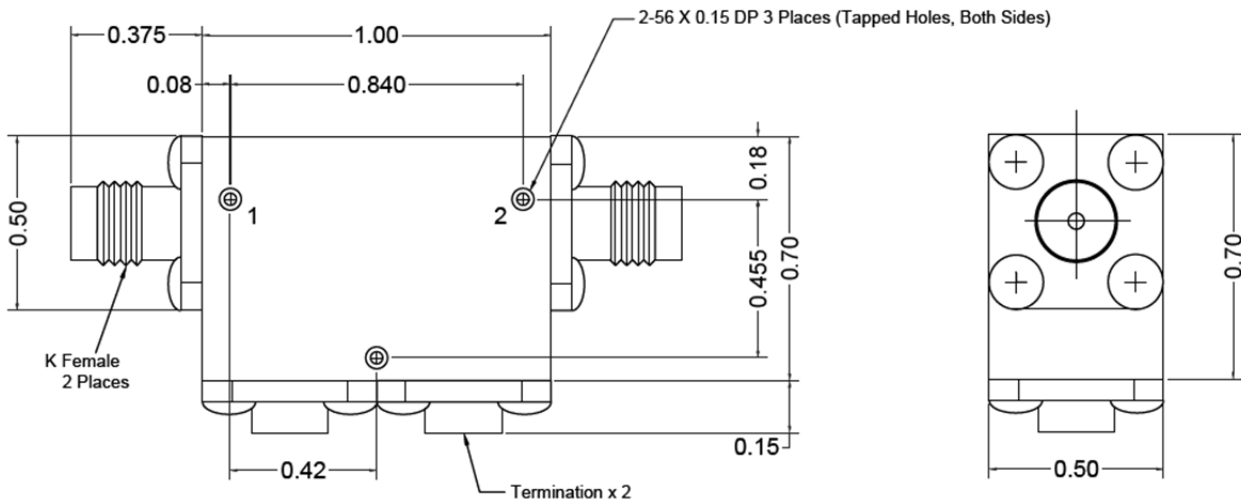


Coaxial, Dual Junction Isolator, 18-40 GHz, full or split bands, K Connectors, 2 Watts Reverse / 5 Watts Average Power, 30 Watts Peak Power



Tolerance Table Metric (inch)

(unless otherwise stated):

- Hole diameter +/- 0.1mm, (+/- 0.004")
- Dimensions (w*h) +/- 0.3 mm, (+/- 0.015")
- Dimensions (Coax Connector position) +/- 0.3mm, (+/- 0.012")
- Dimensions (hole position) +/- 0.1mm, (+/- 0.04")

Machined surfaces

- Flatness 0.025/mm, (0.001/ inch)
- Bend radius 0.8mm, (0.031" or 1/32")

**Units: Inch
Not to scale**

| K Connector options (X) | | |
|-------------------------|--------|----|
| Isolator | | |
| Port 1 | Port 2 | |
| Female | Male | -1 |
| Male | Female | -2 |
| Female | Female | -3 |
| Male | Male | -4 |

| Direction of RF: | |
|------------------|-----------|
| R | Default → |
| L | ← |

**Order Examples: RADII-24.95-25.05-K3-2WR
II=ISOLATOR**

| Electrical Specifications | | | Units |
|---------------------------|------------------------------|------------------------------|--------|
| Frequency range | 18-40 | 24.95-25.05 | GHz |
| Insertion Loss | 4.20 | 1.00 | dB max |
| Isolation | 18 | 40 | dB min |
| VSWR | 2.10:1 | 1.25:1 | Max |
| Average Power (Port 1 &2) | 5 | 5 | Watts |
| Reflective Power (Term) | 2 | 2 | Watts |
| Peak Power | 30 | 30 | Watts |
| Connector | K type | K female | |
| Temperature Range | -20 to +65 | -20 to +65 | °C |
| Material Specifications | | | |
| Connectors | Stainless steel, Passivated | Stainless steel, Passivated | |
| Contact Pins | Beryllium Copper, Gold Plate | Beryllium Copper, Gold Plate | |
| Weight (Approx) | 1.60 Ounces | 1.60 Ounces | |