

RF Coaxial Ferrite Isolator 0.5GHz - 1.0GHz 150W

Model: TG0701B



| MECHANICAL SPECIFICATIONS | |
|---------------------------|------------------------------|
| CONNECTORS | Brass Nickel Plated |
| PIN | Beryllium copper Gold Plate |
| HOUSING | Steel / Brass |
| INSULATOR | PTFE Virgin Electrical Grade |
| OPERATING TEMP. | -30° C to +70° C |
| Dimensions (mm) | 60mm x 35mm x 20mm |
| WEIGHT kg | 0.35 |

RoHS compliant: Yes

Features:

- Wide Frequency range (500MHz -1000MHz)
- Wide Bandwidth (70MHz)
- Low VSWR (1.20:1)
- Low Insertion Loss (0.4dB)
- High Isolation between input and output (-23dB)
- Integrated with 100W load

ELECTRICAL SPECIFICATIONS

| Model | Frequency Range(MHz) | Bandwidth (MHz) | Insertion Loss (dB) | Return Loss IN/OUT (dB) | Isolation IN/OUT (dB) | Forward Power (max) | Reverse Power (max) |
|-------------|----------------------|-----------------|---------------------|-------------------------|-----------------------|---------------------|---------------------|
| TG0701B-CE1 | 470-530 | 60 | ≤0.4 | 22 | ≥23 | ≤150w | ≤100w |
| TG0701B-CE2 | 530-590 | 60 | ≤0.4 | 22 | ≥23 | ≤150w | ≤100w |
| TG0701B-CE3 | 590-660 | 70 | ≤0.4 | 22 | ≥23 | ≤150w | ≤100w |
| TG0701B-CE4 | 660-730 | 70 | ≤0.4 | 22 | ≥23 | ≤150w | ≤100w |
| TG0701B-CE5 | 730-810 | 80 | ≤0.4 | 22 | ≥23 | ≤150w | ≤100w |
| TG0701B-CE6 | 810-900 | 90 | ≤0.4 | 22 | ≥23 | ≤150w | ≤100w |
| TG0701B-CE6 | 900-990 | 90 | ≤0.4 | 22 | ≥23 | ≤150w | ≤100w |

Nominal impedance: 50Ω

Connector: N (F-F) / SMA(F-F)

Notes:

- Electrical specification value is specified at ambient temperature 25° C and sea level
- Accept quantity order for any custom centre frequency between 0.5GHz and 1.0GHz at 70MHz bandwidth

