

## 70cm UHF Dual Junction Ferrite Isolator 150W

Model: TG0301S-B



MECHANICAL SPECIFICATIONS	
CONNECTORS	Brass Nickel Plated
PIN	Beryllium copper Gold Plate
HOUSING	Steel / Brass
INSULATOR	PTFE Virgin Electrical Grade
OPERATING TEMP.	-15° C to +60° C
Dimensions (mm)	104mm x 84.5mm x 22mm
WEIGHT kg	0.71

RoHS compliant: Yes

**Features:**

- Wide Frequency Bandwidth (30MHz)
- Low VSWR (1.2:1)
- Low Insertion Loss (0.55dB)
- High Isolation between input and output (-45dB)
- Integrated with 10W/ 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)
TG0301S-B-CE1	400-430	30	≤0.55	20	≥45	≤150w	≤100w
TG0301S-B-CE2	430-460	30	≤0.55	20	≥45	≤150w	≤100w
TG0301S-B-CE3	455-485	30	≤0.55	20	≥45	≤150w	≤100w
TG0301S-B-CE4	485-515	30	≤0.55	20	≥45	≤150w	≤100w

Nominal impedance: 50Ω

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

**Notes:**

- 1) Electrical specification value test at 25° C at sea level
- 2) Dimension and specifications refer to connector type N unless otherwise specified

