

TSA-23T58G-01

Ultra-wideband Tapered Slot Antenna

Description

The TSA-23T58G-01 is an ultra-wideband tapered slot antenna. This antenna utilizes our company's patented ultra-wideband balun, which enables low-cost implementation. This antenna covers the frequency range of 23 to 58 GHz with high gain and low sidelobes. Tapered slot antenna arrays capable of producing customer-specific gain and bandwidth are also available.



Applications

- ✓ Communication Systems
- ✓ Sensor Sub-assemblies
- ✓ Radar Systems
- ✓ Radiometers

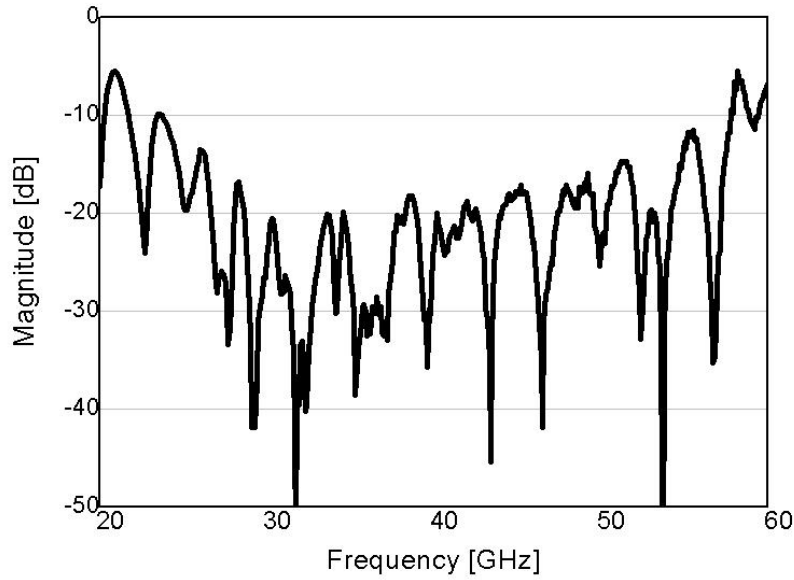
Features

- ✓ Fermi-tapered slot antenna with corrugation
- ✓ Ultra-Wideband
- ✓ High Gain
- ✓ Low Sidelobes
- ✓ Low VSWR
- ✓ Size: 60 x 15 (mm)

Electrical Specifications

Parameter	Units	Min.	Typ.	Max.
Frequency Range	GHz	23	-	58
Gain	dBi	12	13	14
Beamwidth	deg	28	32	38
Sidelobe Level	dBc	14	16	17

Return Loss



Radiation Pattern at 35 GHz (E-plane)

