

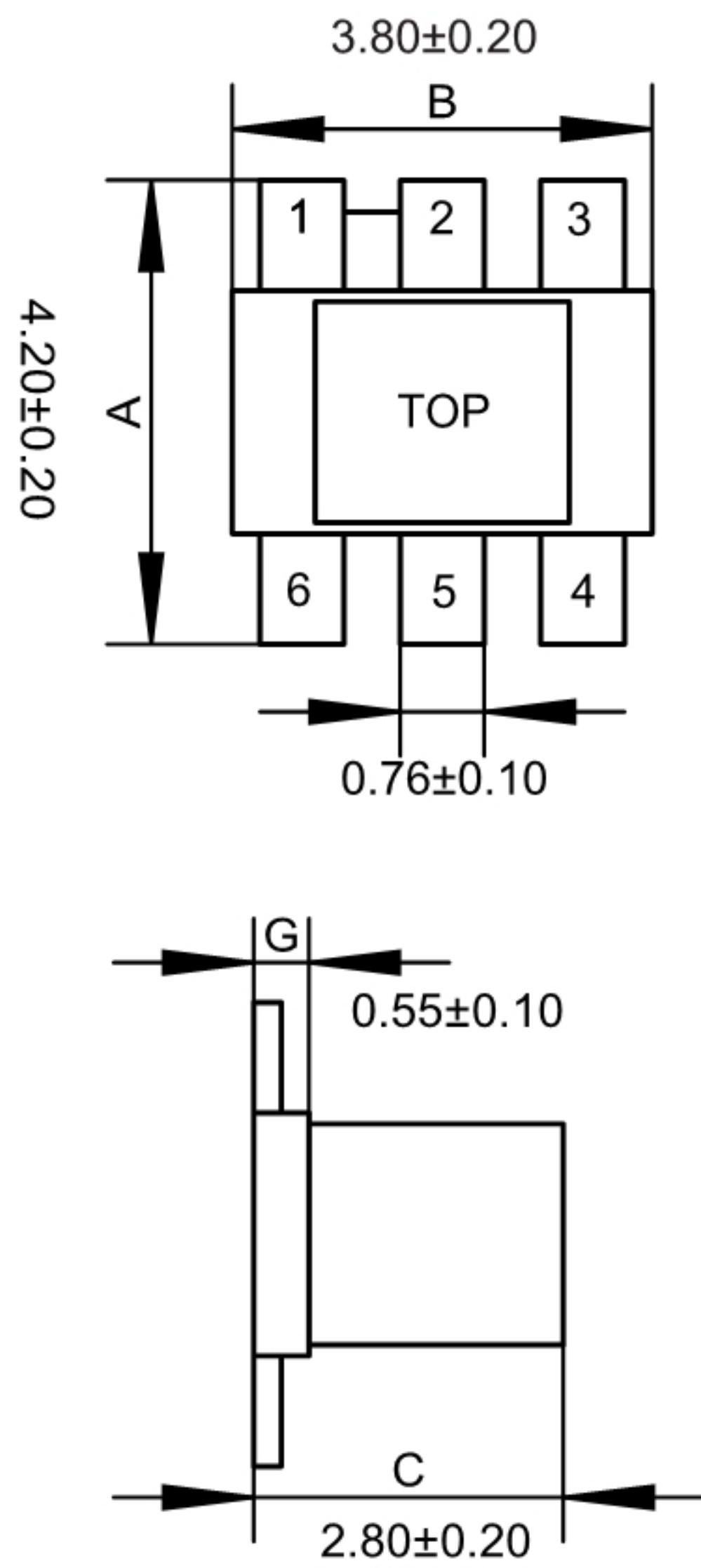
RF Balun Transformer HTW-7748-1160



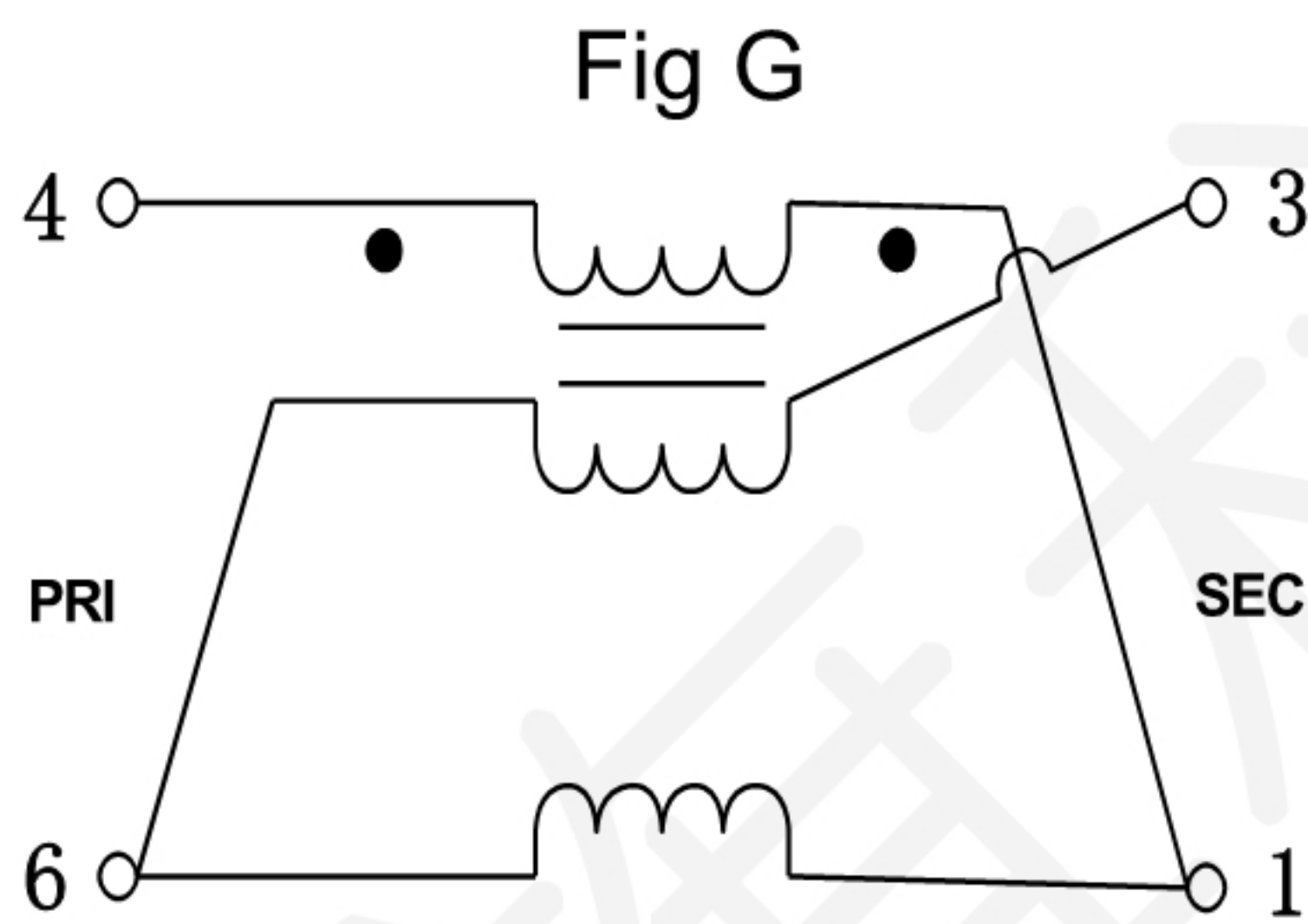
75Ω 1:1 Transmission Line Transformer 5-1250MHz



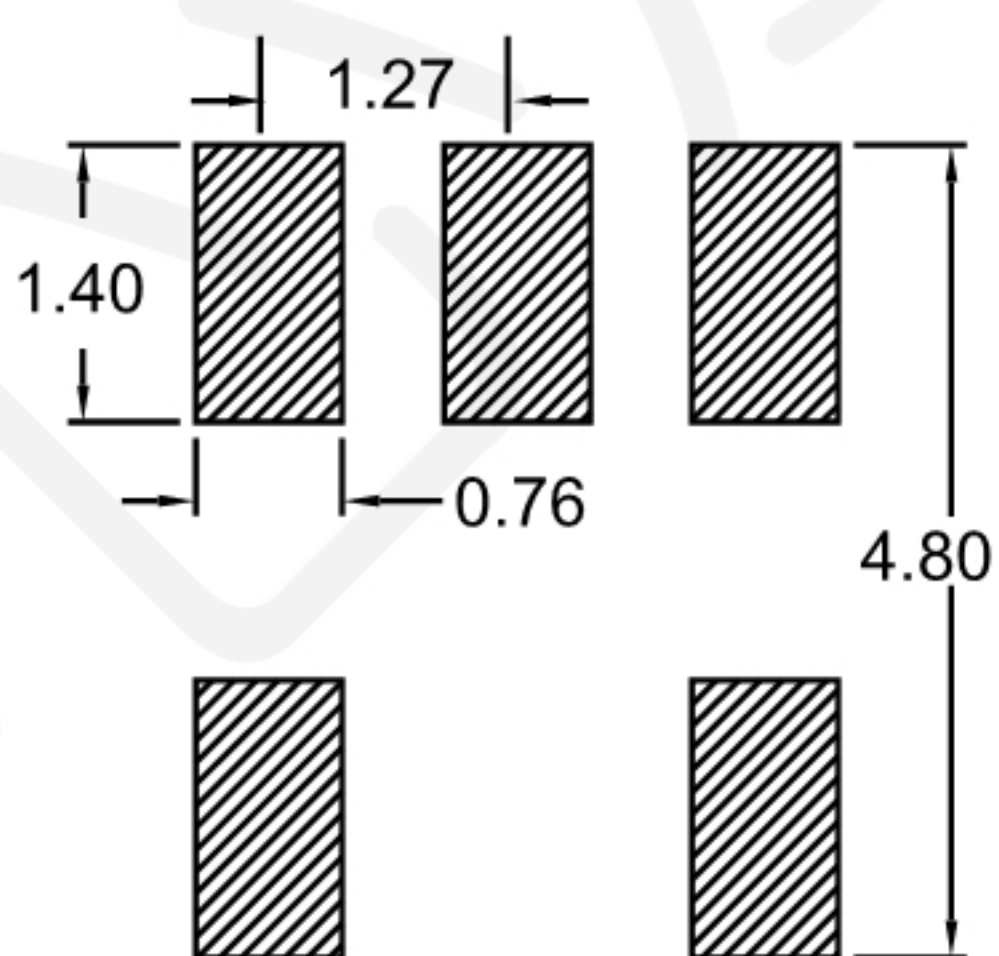
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

Input	6
Output 1	1
Output 2	3
Ground	4

Features

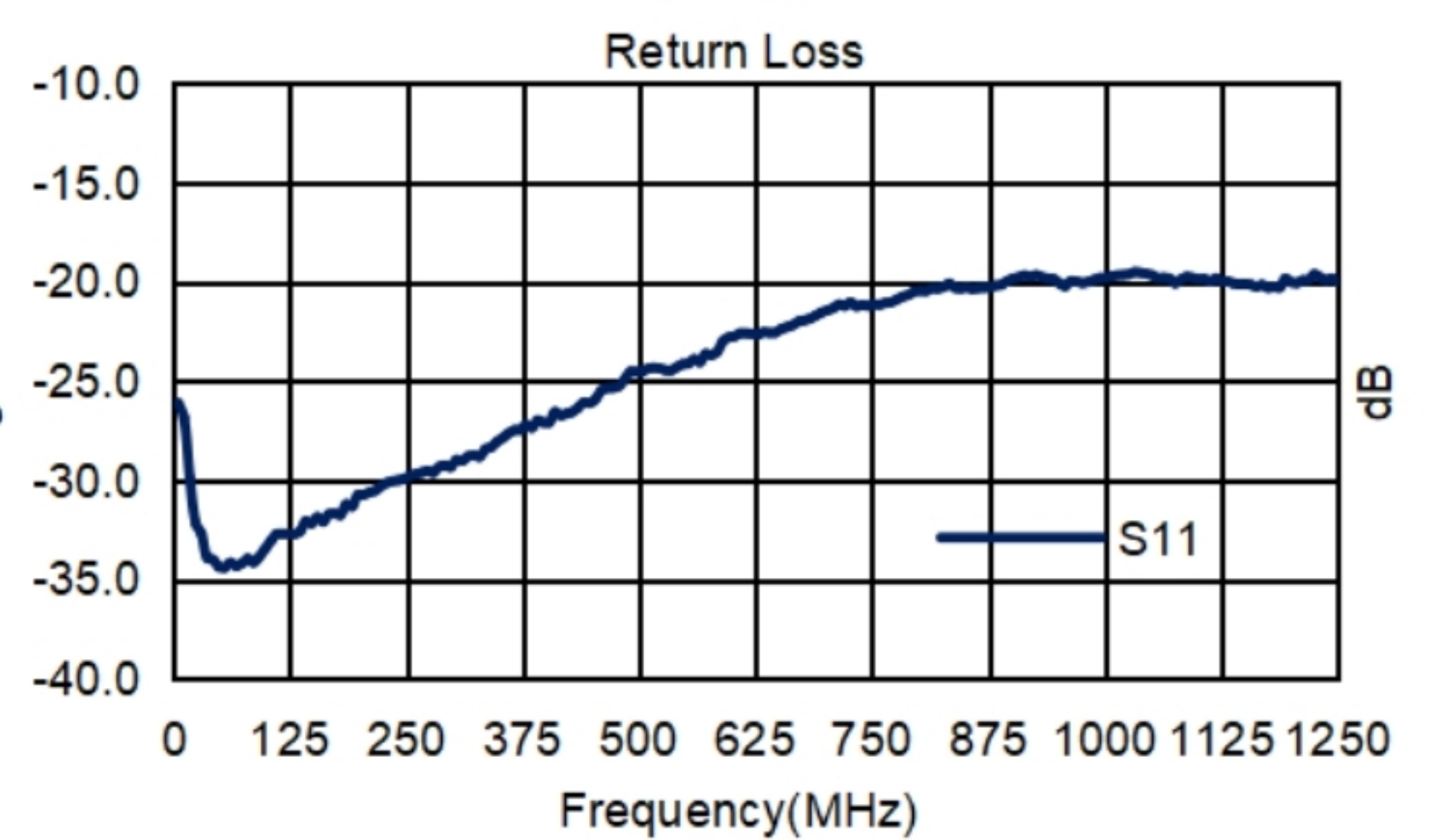
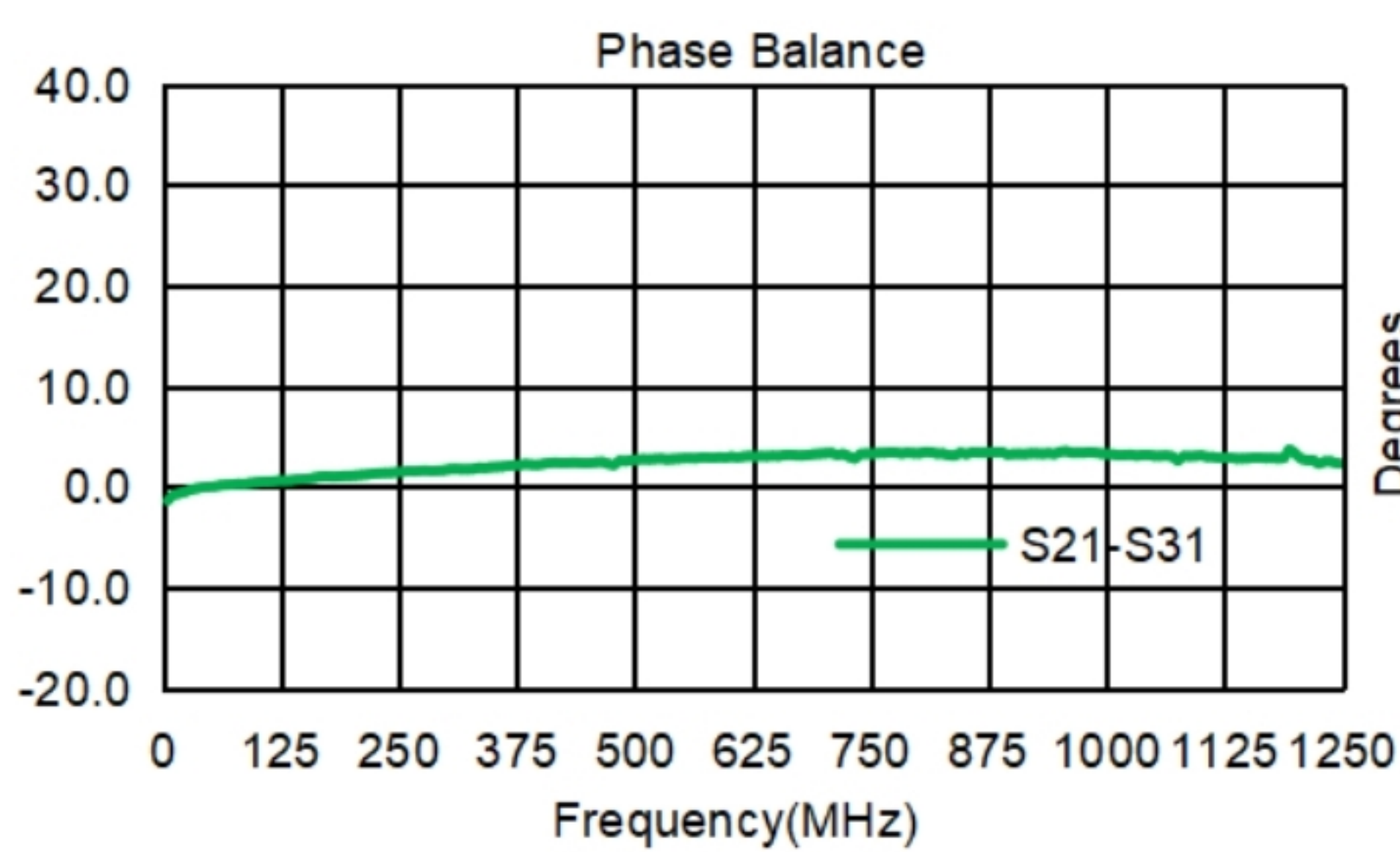
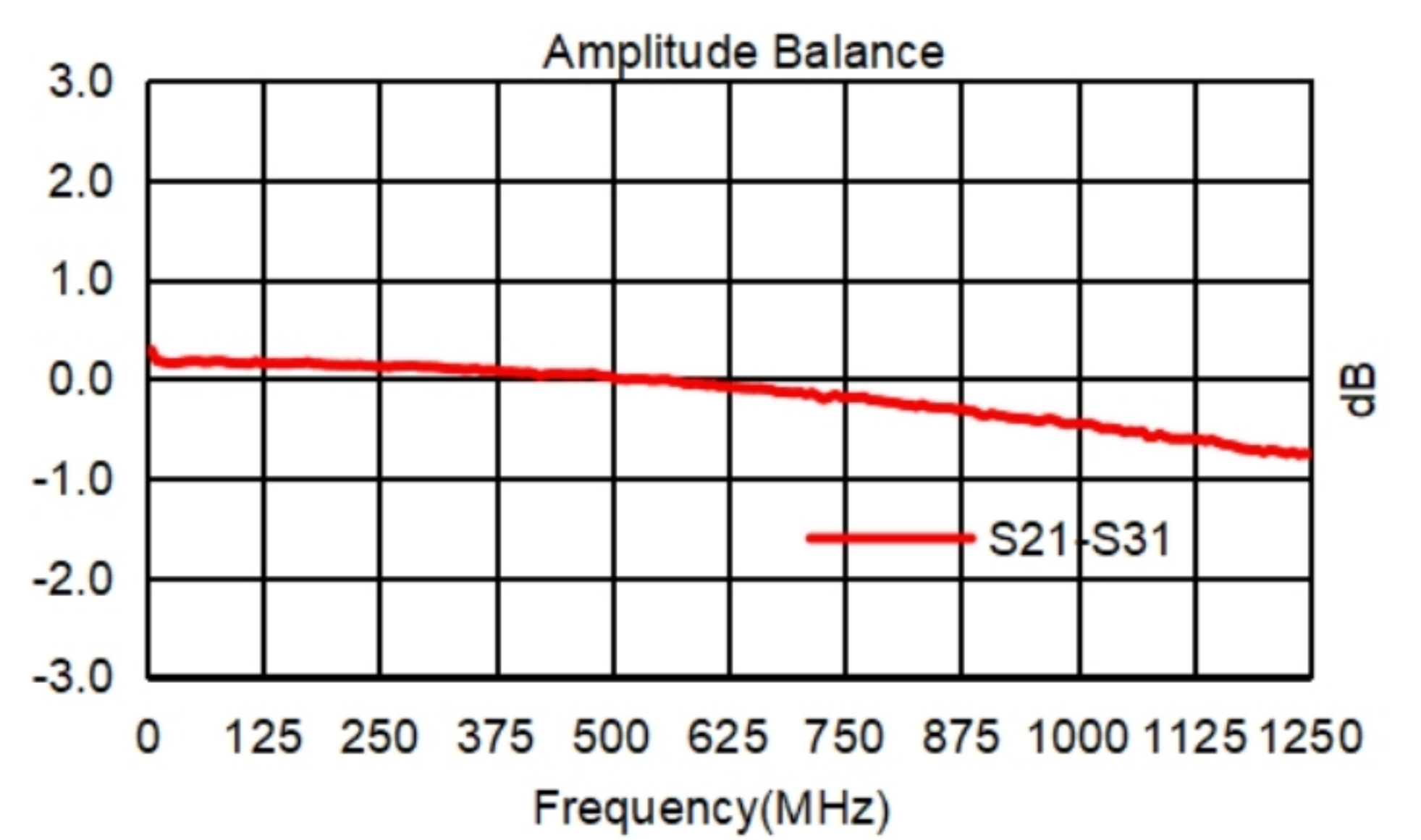
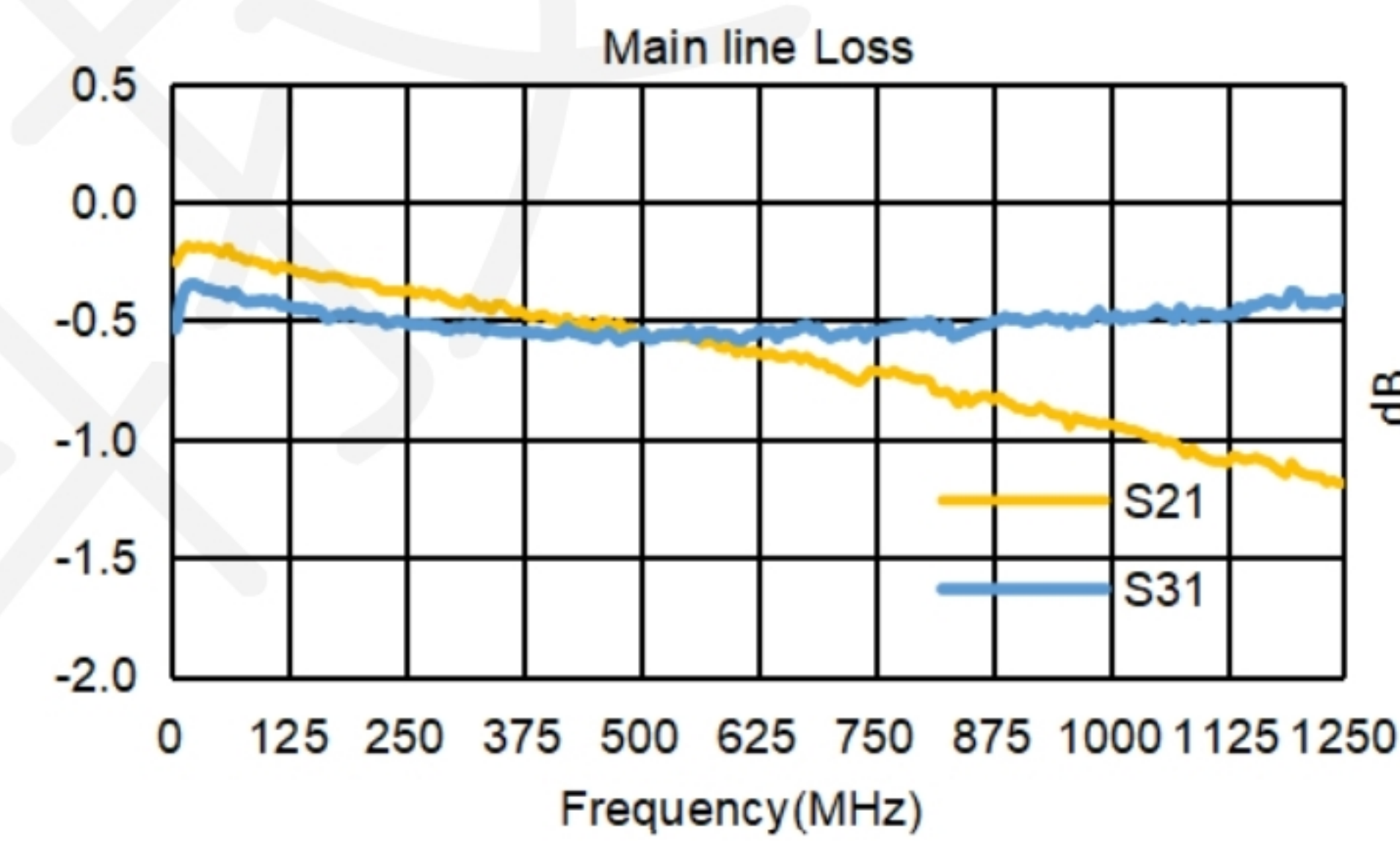
- RF Power: 0.50W Max
- DC Current: 500mA Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

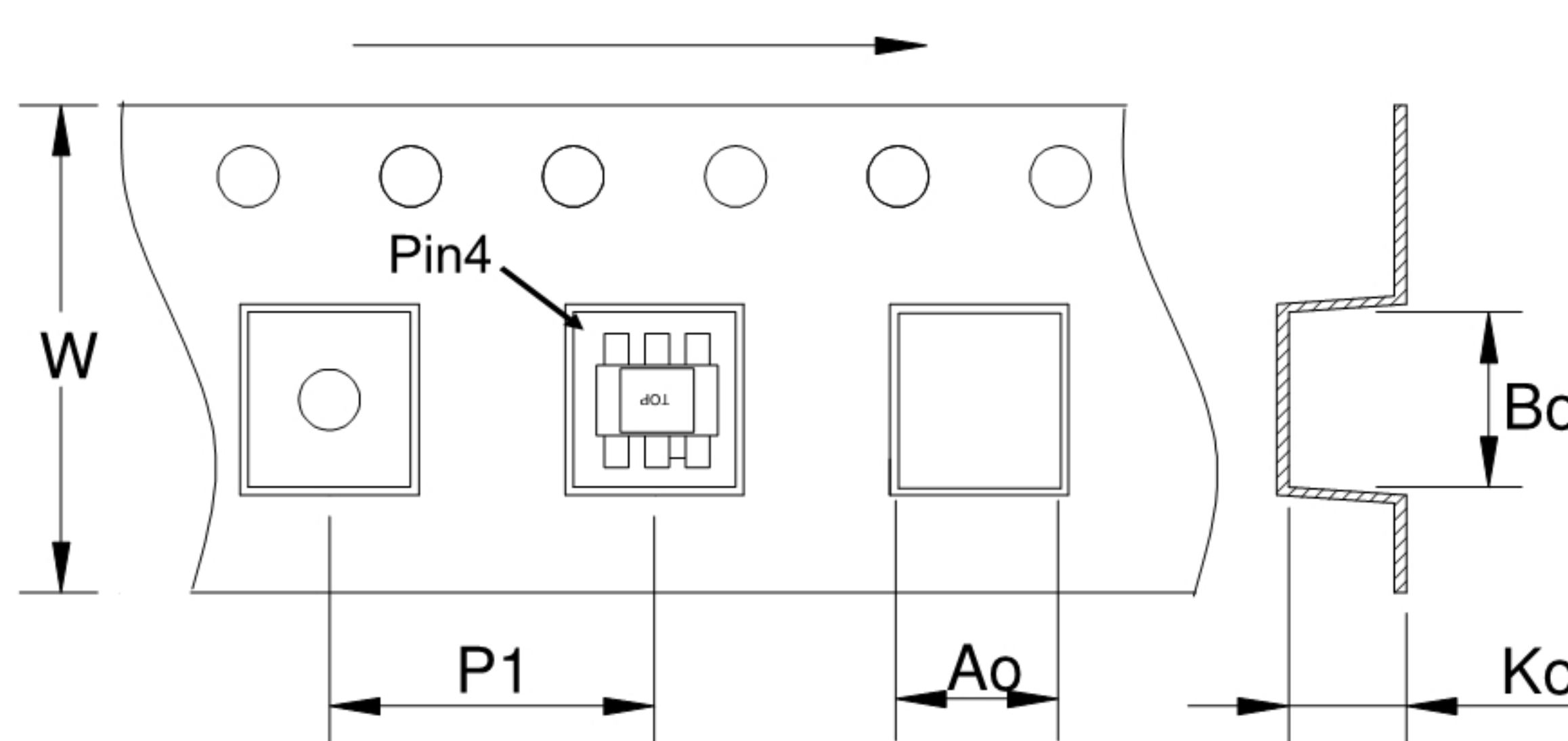
For Docsis 3.0 & 3.1 Cable Modem.
For Wideband Push-pull Amplifiers.
For CATV Amplifiers Module & Set top box.
For CATV Optical Receivers and Amplifiers.
For VHF/UHF Transmitters and Push-pull Amplifiers.

Electrical Specifications: TA=25°C, 0dBm, Z0=75Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss (Pin6-1)	5-1250MHz	dB	—	1.2	1.8
Main line Loss (Pin6-3)	5-1250MHz	dB	—	0.5	1.0
Amplitude Balance	5-1250MHz	dB	—	1.0	1.5
Phase Balance	5-1250MHz	°	—	5.0	10.0
Input Return Loss(Pin6)	5-1250MHz	dB	16.0	20.0	—



Carrier Tape Orientation



Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	2000
Reel Size	mm	330
Tape Width	mm	12.00
Pitch	mm	8.00
Ao	mm	4.50
Bo	mm	4.50
Ko	mm	3.20