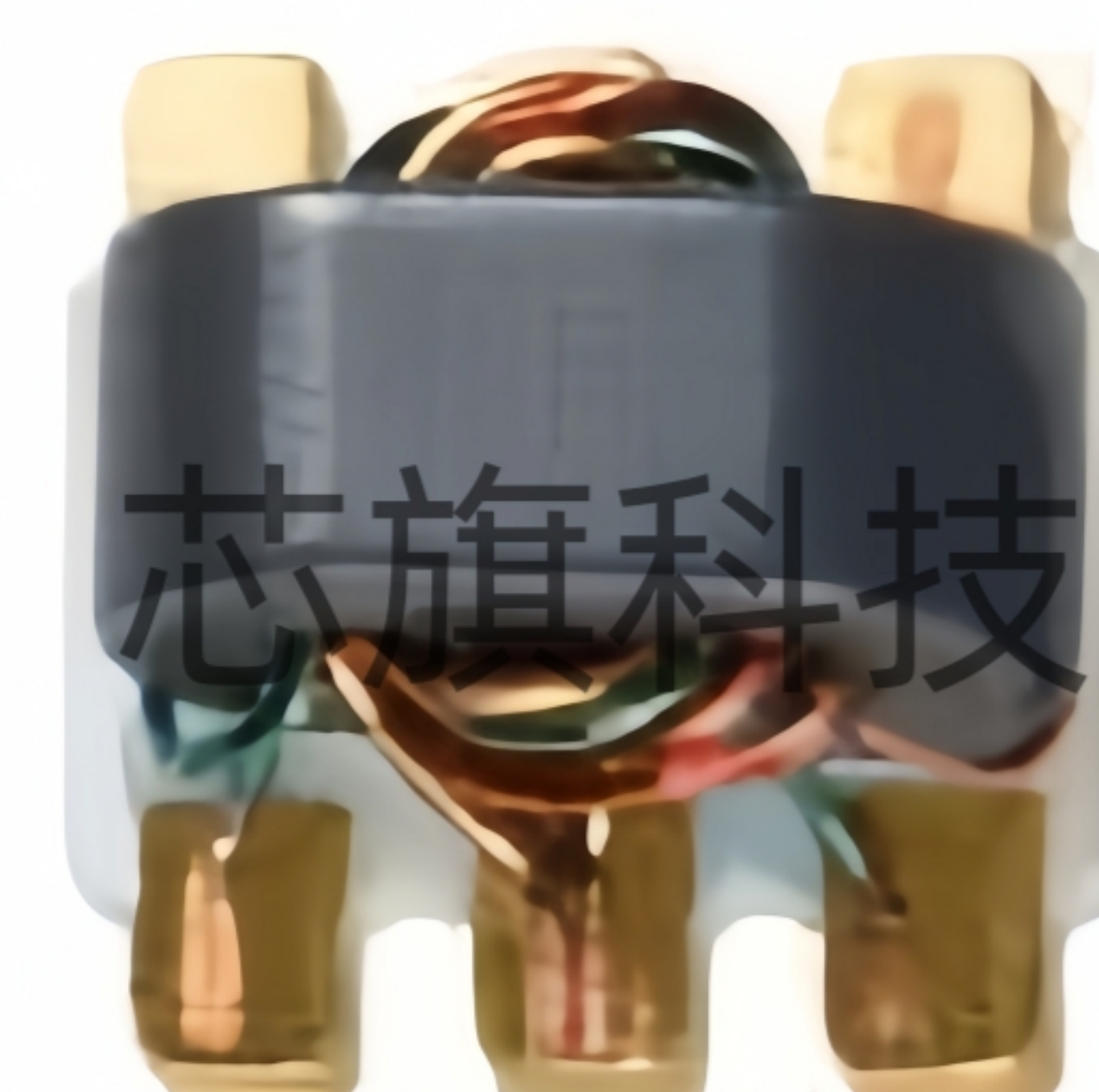


Features:

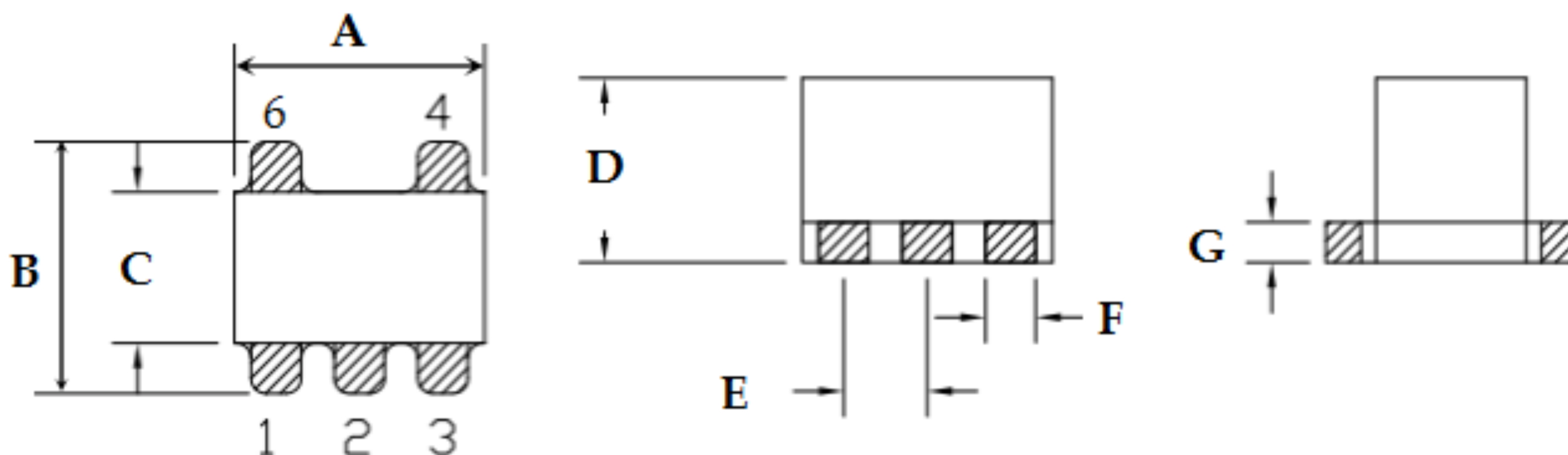
- ◆ 50Ω Impedance
- ◆ RF power: 0.50W
- ◆ DC current: 30mA
- ◆ Operating temperature range: -40°C to +85°C
- ◆ Storage temperature range: -55°C to +100°C



Applications:

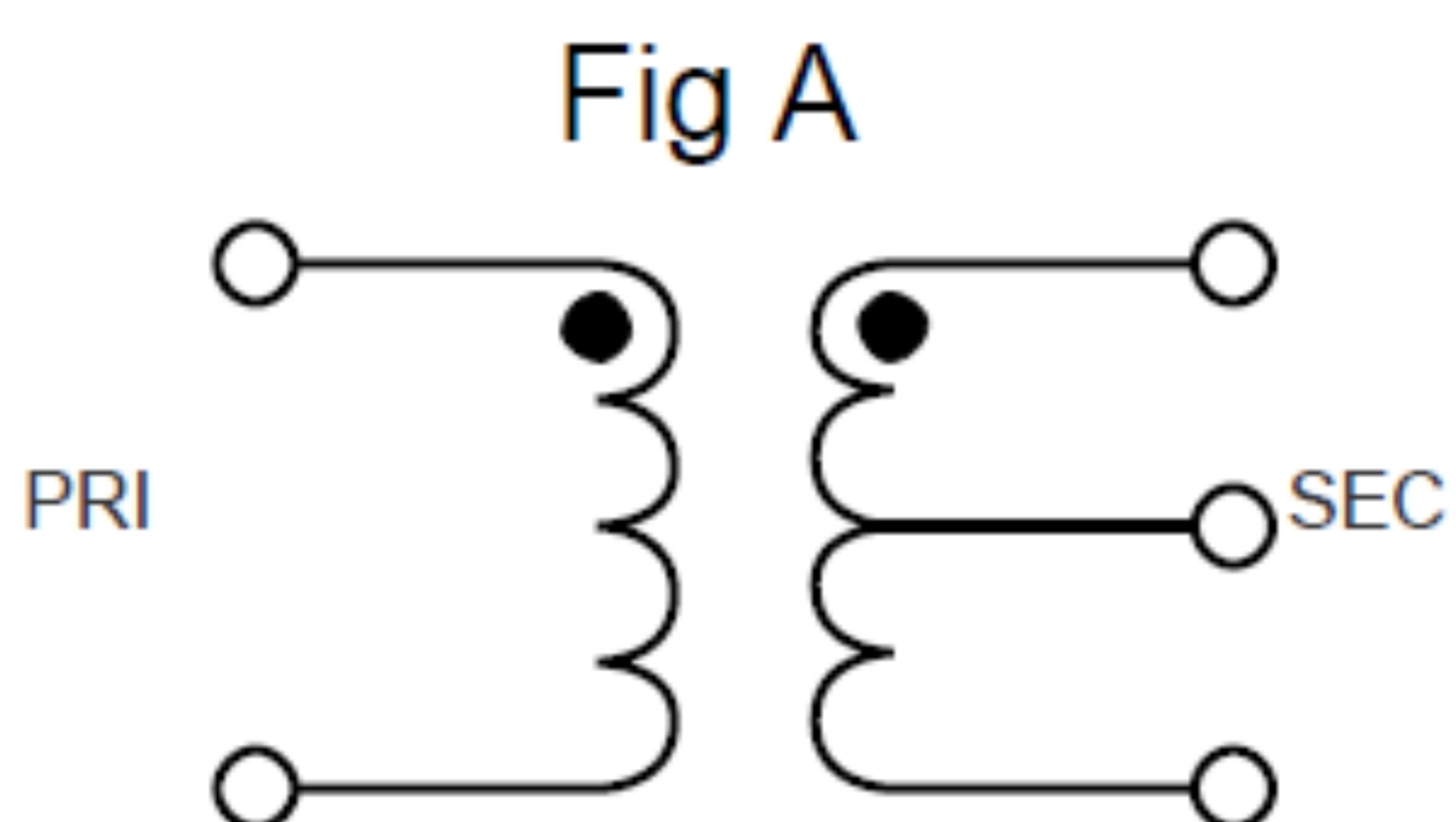
- ◆ For Motorola Walkie-talkie.
- ◆ For Car Streaming Media Rearview Mirror.
- ◆ For Broadband and Wireless Communications.
- ◆ For Wireless Microphone & Marine Communications.
- ◆ For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- ◆ For Differential Modulator/demodulator and Active Mixers.

Dimension Diagram (Unit:mm) :

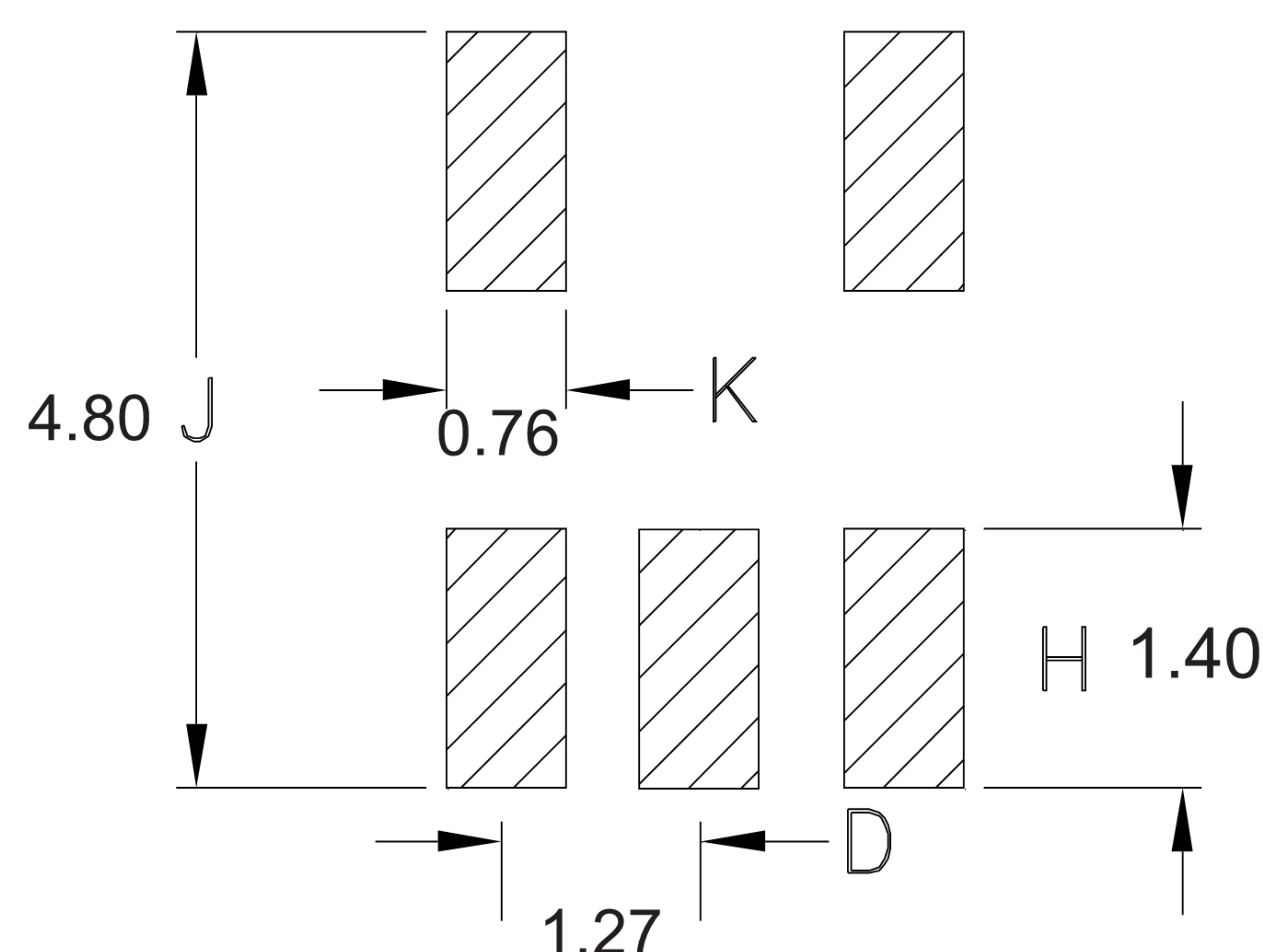


A=3.80±0.20 B=3.80±0.20 C=2.30±0.20 D=2.80±0.20 E=1.27±0.10 F=0.76±0.10 G=0.60±0.10

Electrical structure:



Recommended layout:



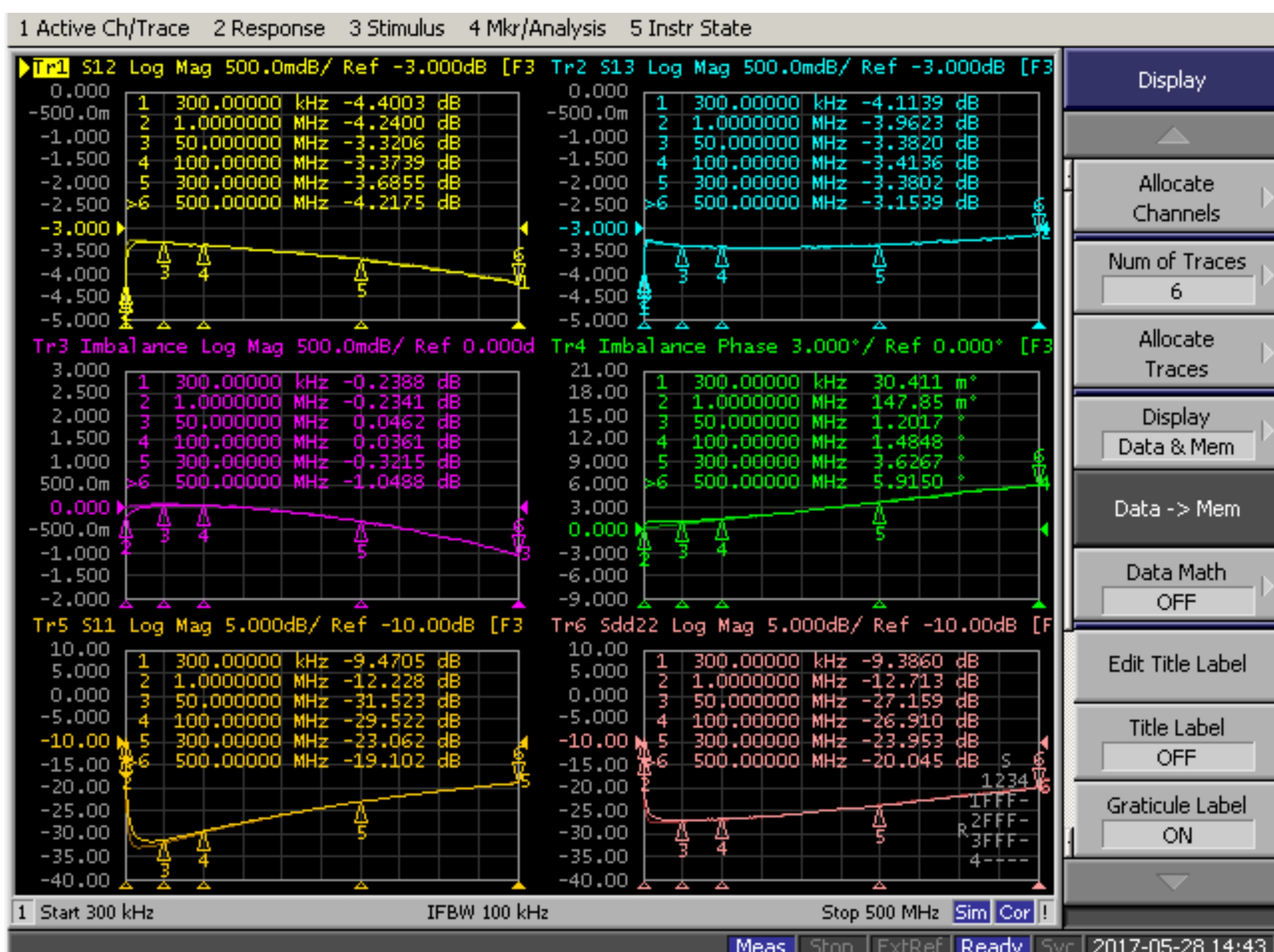
Pin configuration:

Pin No.	Function
1	Secondary (Output 2)
2	Centre tap (Ground)
3	Secondary dot (Output 1)
4	Primary dot (Input)
6	Primary (Ground)

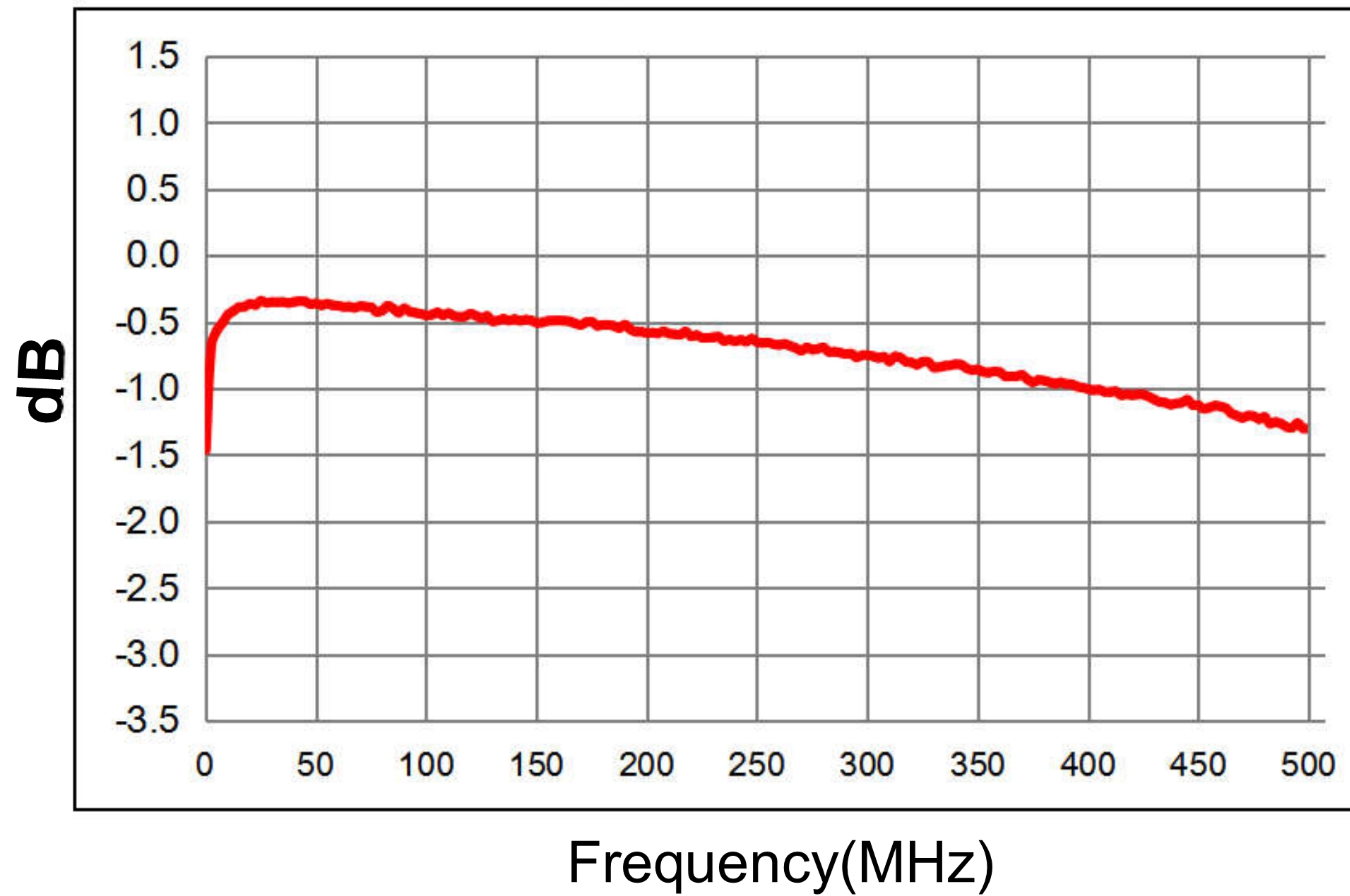
Electrical Specifications: TA=25°C, 0dBm, Z0=50Ω:

Parameter	Test Conditions	Units	Min	Typ	Max
Main line Loss(out1)	0.3-500MHz	dB	—	1.50	2.50
Main line Loss(out2)	0.3-500MHz	dB	—	0.50	1.50
Amplitude Balance	0.3-500MHz	dB	—	±1.5	±2.00
Phase Balance	0.3-500MHz	°	—	±5.00	±10.00
Input Return Loss	0.3-500MHz	dB	10.00	18.00	—

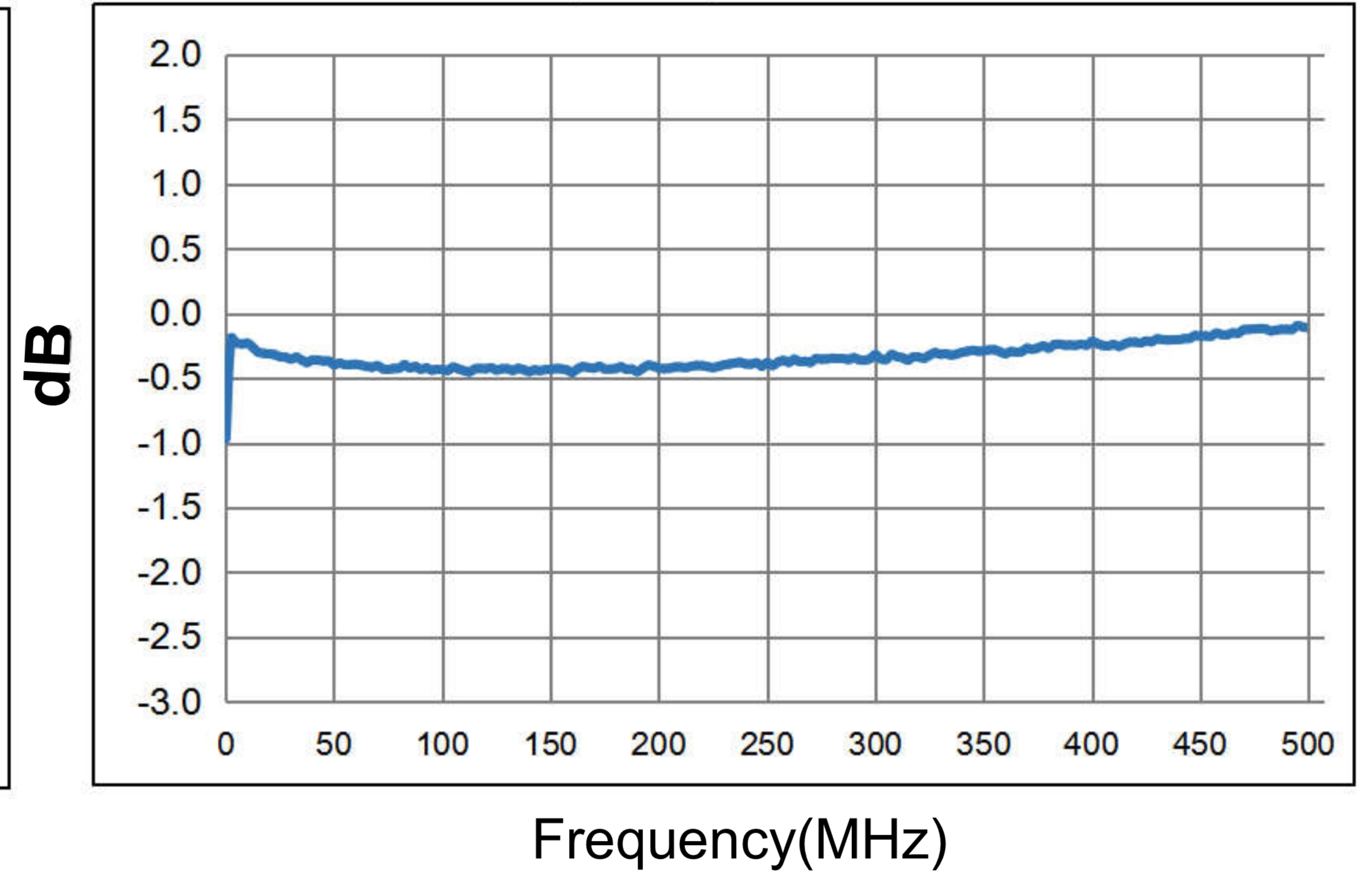
Sample Test Data Sheet :



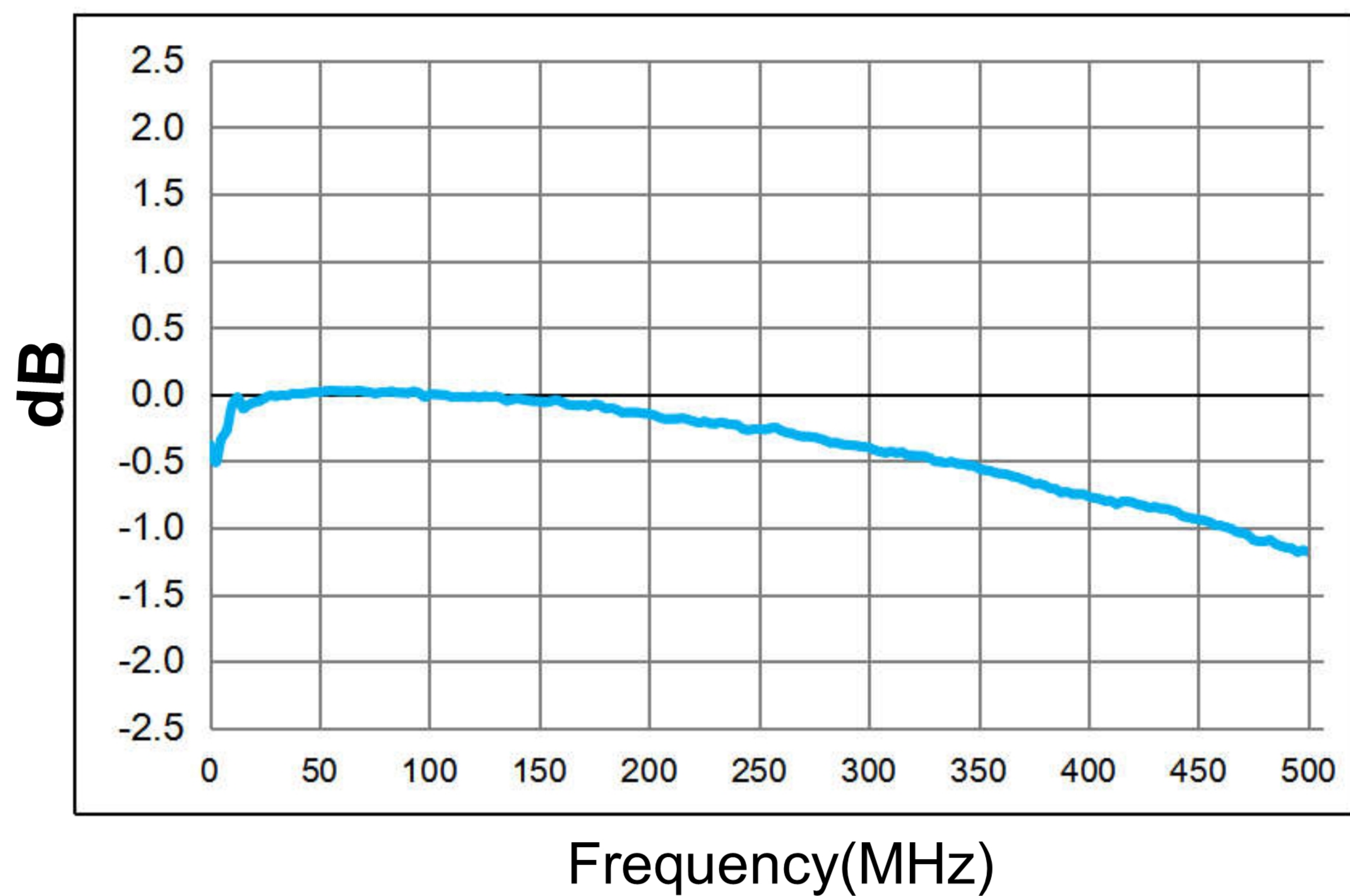
Main line Loss(out1)



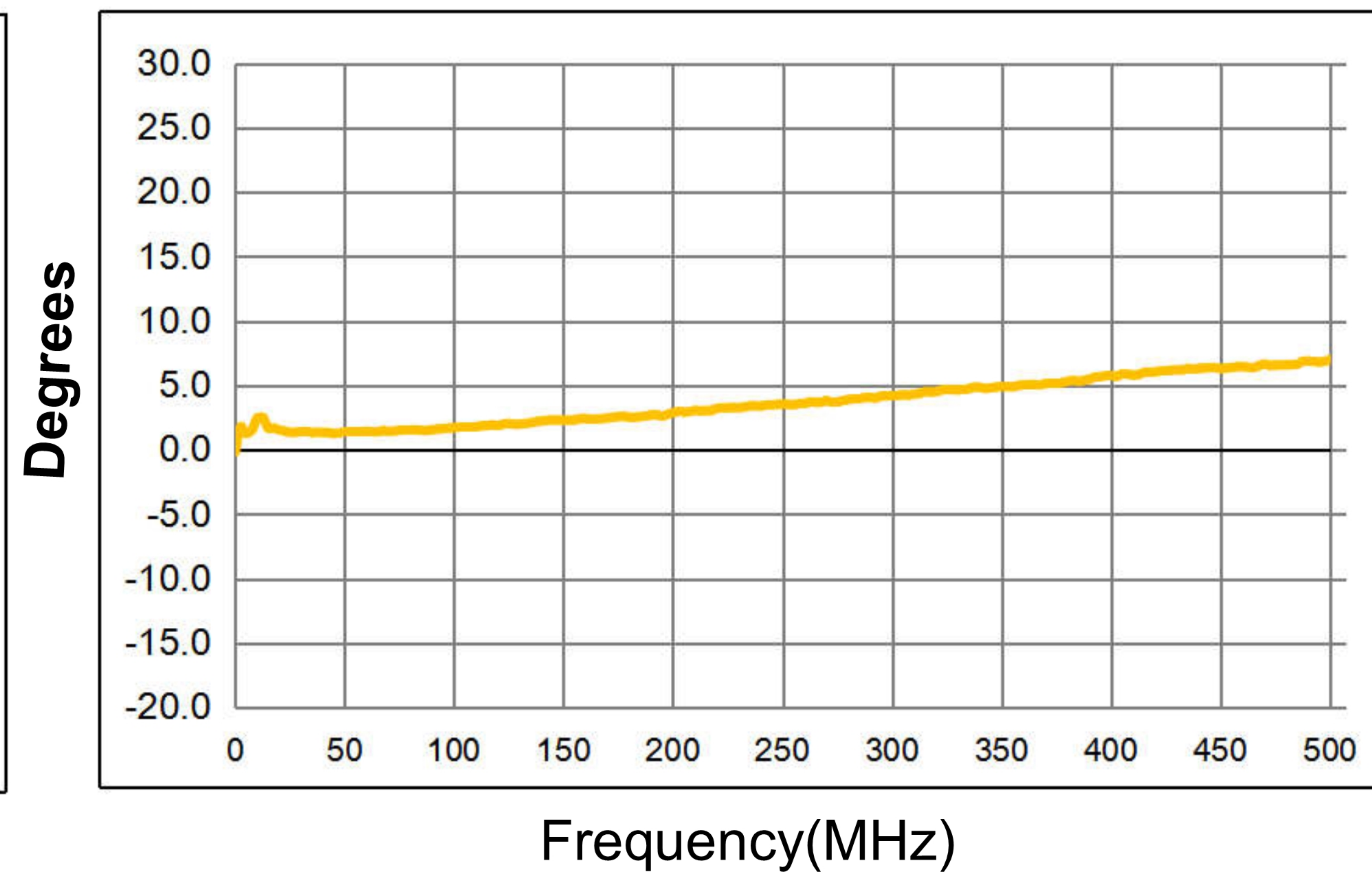
Main line Loss(out2)



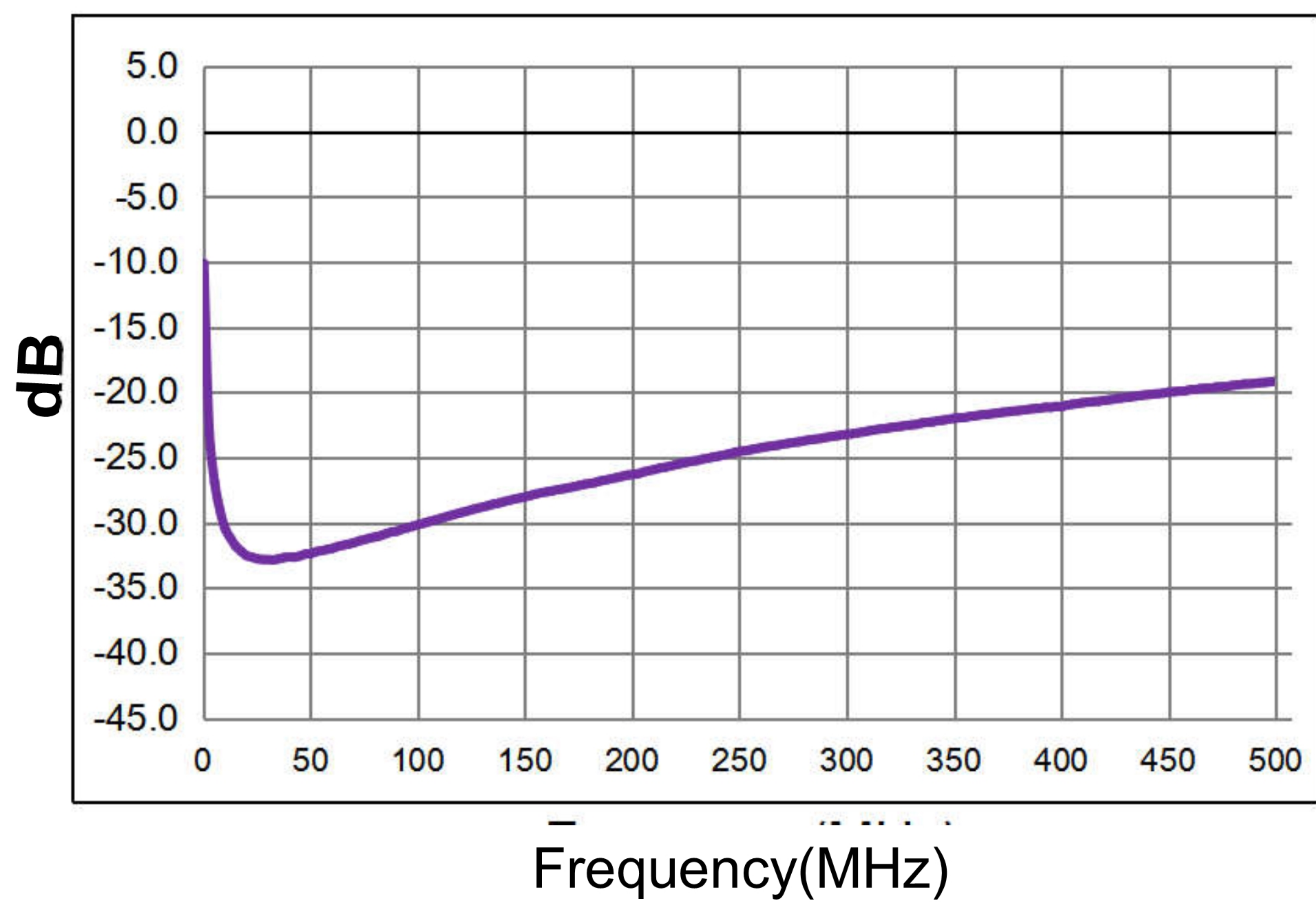
Amplitude Balance



Phase Balance

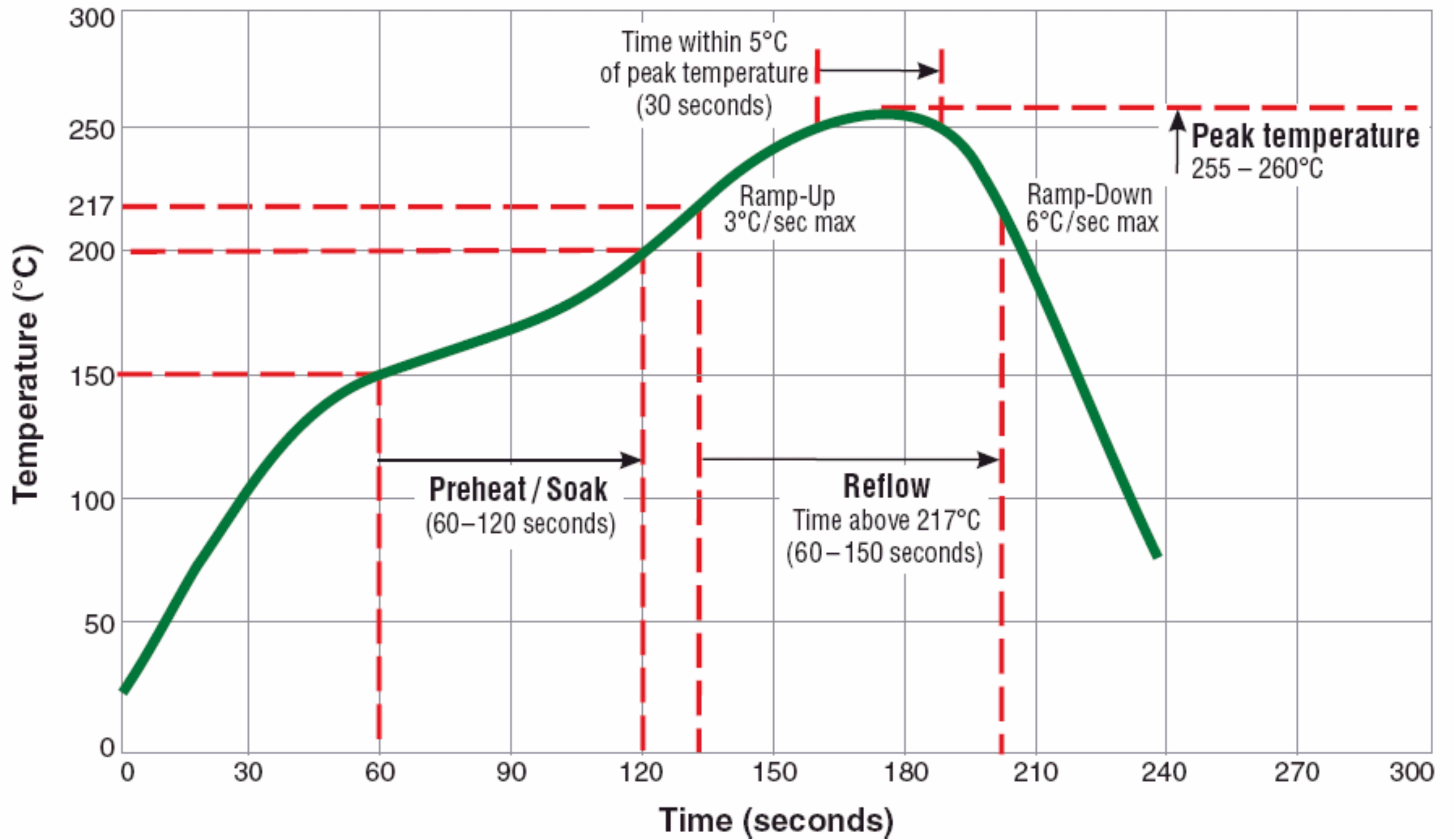


Input Return Loss

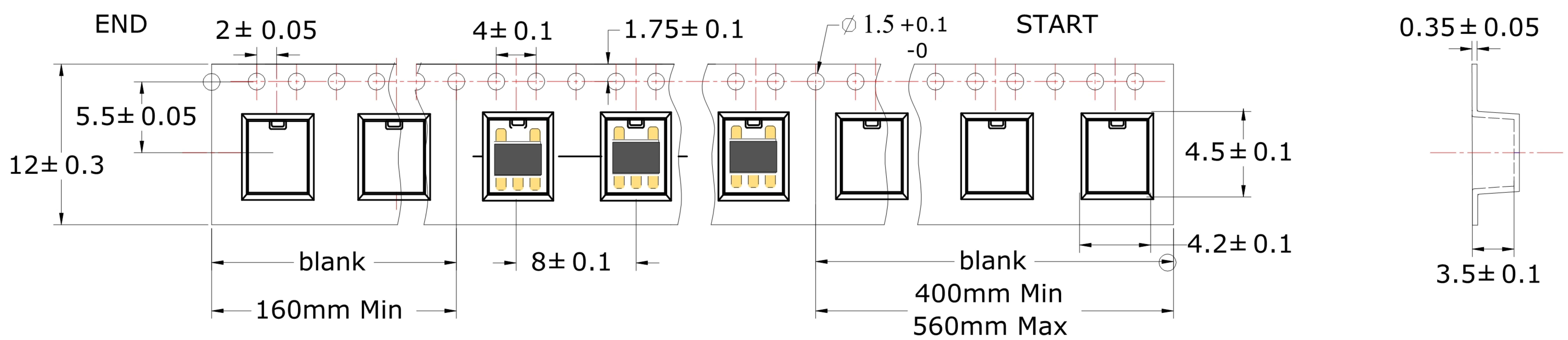


Recommended Soldering Temperature Graph:

Typical RoHS Reflow Profile

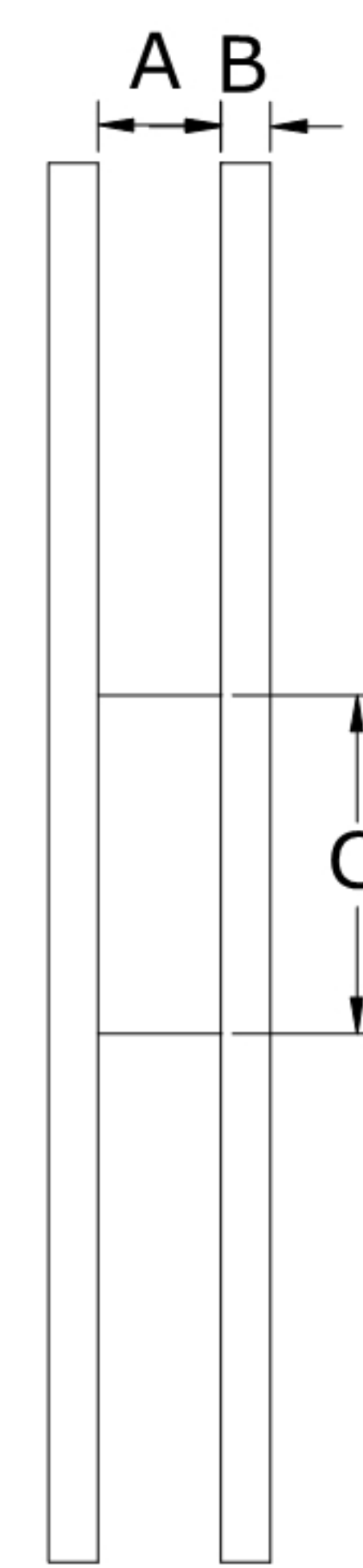
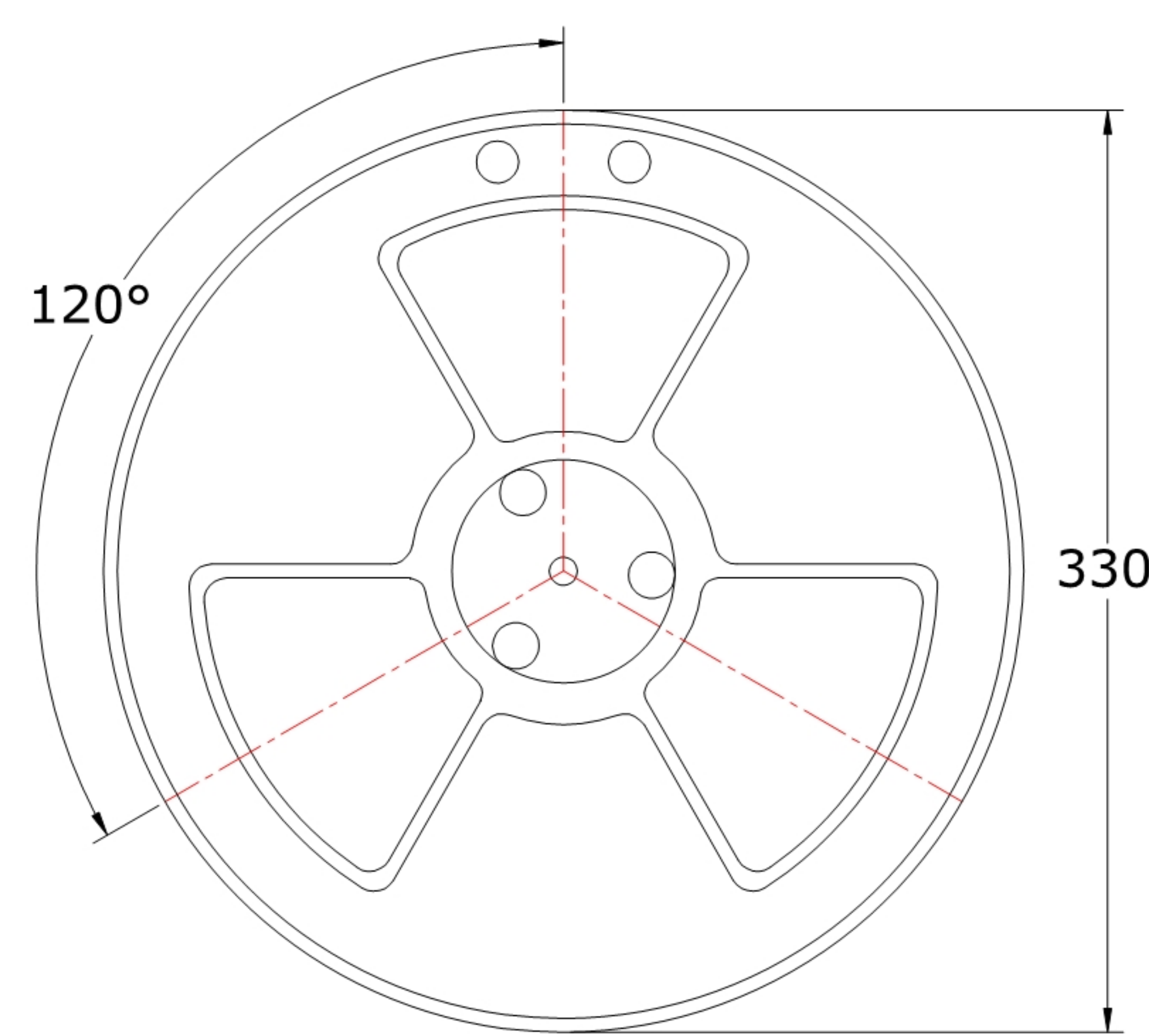


Packaging Dimension For Caeier Tape(UNIT:mm):



QUANTITY

- 2000PCS/Reel
- 4Reels/Middle Carton
- 4 Middle Cartons/Big Carton
- 32000PCS/ Big Carton



SPEC	8	12	16	24
DIM A±0.1	8.5	1	16.5	24.5
DIM B±0.1	2.3	2	2.3	2.3
DIM C±0.1	100	100	100	100

