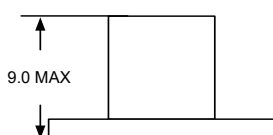
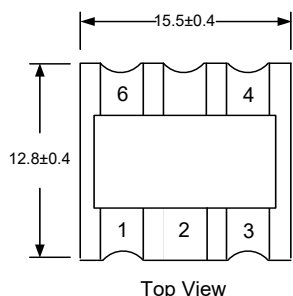
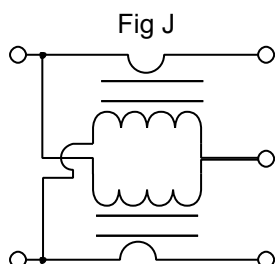


50Ω 20dB Directional Coupler 1.5-200MHz

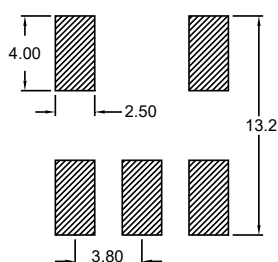
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

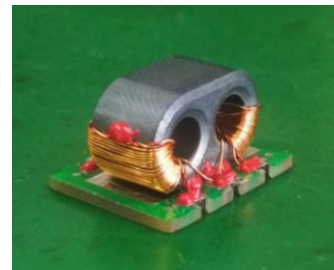
Input	1
Coupling	3
Output	6
Ground	2
External 50 Ω	4

Features

- Operating temperature range: -40℃ to +85℃
- Storage temperature range: -55℃ to +100℃
- 260℃ Reflow Compatible
- RoHS compliant and lead free

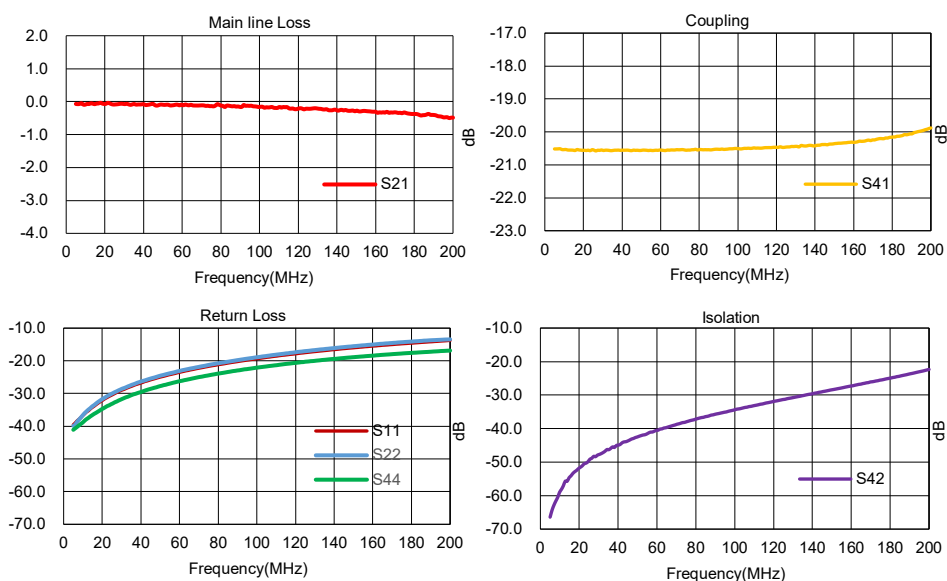
Applications

- For catv
- For broadband and wireless communications

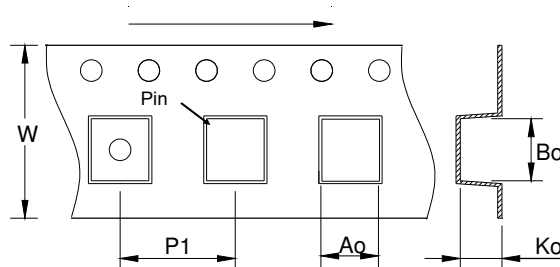


Electrical Specifications: TA=25℃, 0dBm, Z0=50Ω

Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(S41)	1.5-200MHz	dB	19.0	20.0	21.0
Main line Loss(S21)	1.5-200MHz	dB	—	0.8	1.5
Input Return Loss(S11)	1.5-200MHz	dB	20.0	16.0	—
Coupling Return Loss(S44)	1.5-200MHz	dB	18.0	16.0	—
Output Return Loss(S22)	1.5-200MHz	dB	20.0	16.0	—
Isolation(S42)	1.5-200MHz	dB	18.0	35.0	—



Carrier Tape Orientation



Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	
Reel Size	mm	
Tape Width	mm	
Pitch	mm	
Ao	mm	
Bo	mm	
Ko	mm	