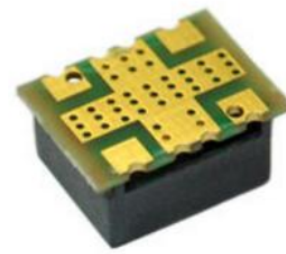


RF Directional Coupler

ECJ2601-C092853

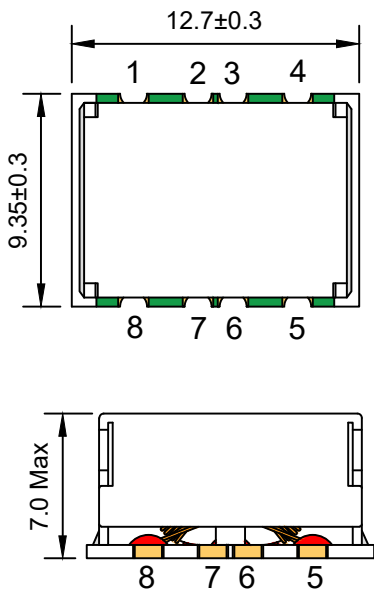
2023-03-21 Rev. 0



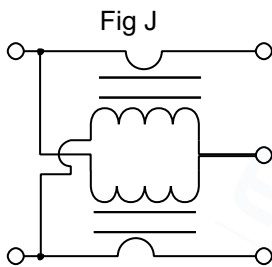
50Ω 26dB Directional Coupler

30-540MHz

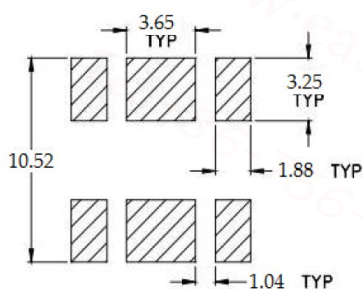
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

INPUT	8
OUTPUT	1
COUPLED(forward)	5
COUPLED(reverse)	4
GROUND	2,3,6,7

Features

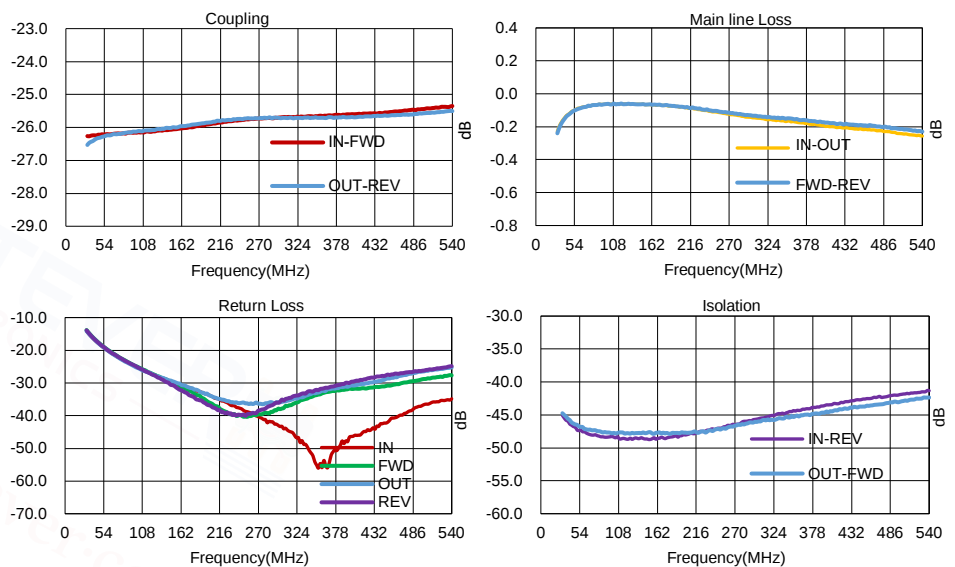
- Input Power:50W Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range:-40℃ to +85℃
- Storage temperature range: -55℃ to +100℃

Applications

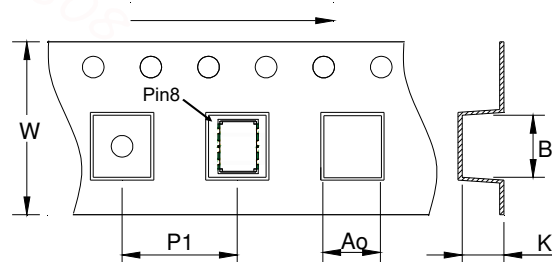
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(pin8-5)	30-540MHz	dB	25.0	26.0	27.0
Main line Loss(pin8-1)	30-540MHz	dB	—	0.20	0.25
Input Return Loss(pin 8)	30-540MHz	dB	20.0	38.0	—
Coupling Return Loss(pin5)	30-540MHz	dB	18.0	26.0	—
Output Return Loss(pin1)	30-540MHz	dB	18.0	26.0	—
Isolation(pin5-1)	30-540MHz	dB	44.0	46.0	—



Carrier Tape Orientation



Tape & Reel Information

Parameter	Units	Value
Qty per reel	PCS	250
Reel Size	mm	330
Tape Width	mm	24.00
Pitch	mm	16.00
Ao	mm	12.30
Bo	mm	15.50
Ko	mm	7.40