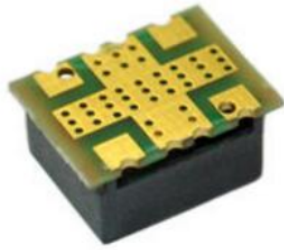


H2SYBDC-26-52VHP+



30-540MHz

50Ω 26dB Directional Coupler

Features

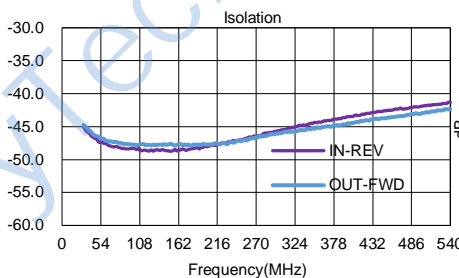
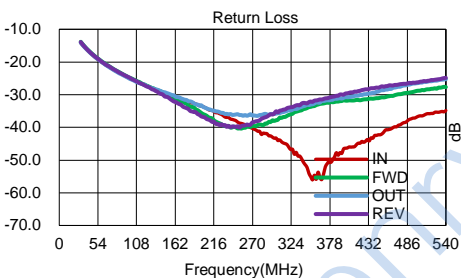
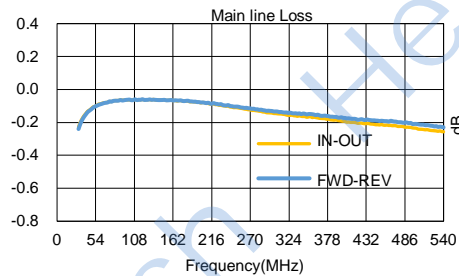
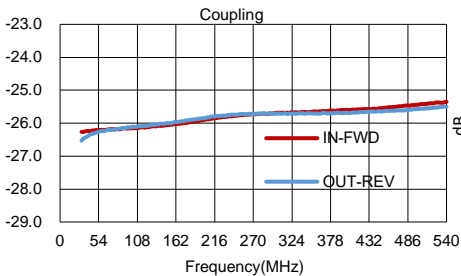
- Input Power: 50W Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

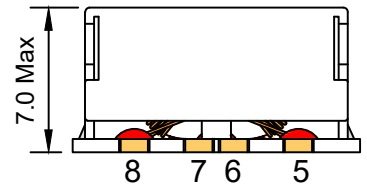
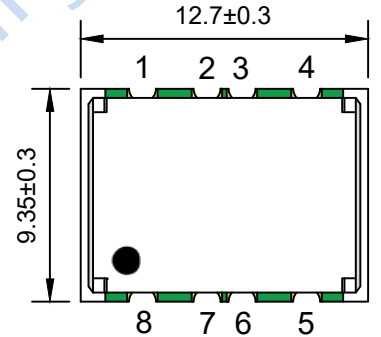
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

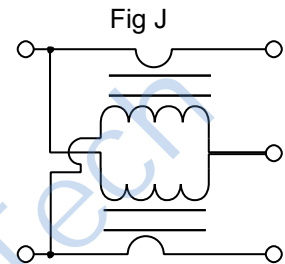
Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(pin8-5)	30-540MHz	dB	25.0	26.0	27.0
Main line Loss(pin8-1)	30-540MHz	dB	—	0.20	0.25
Input Return Loss(pin 8)	30-540MHz	dB	20.0	38.0	—
Coupling Return Loss(pin5)	30-540MHz	dB	18.0	26.0	—
Output Return Loss(pin1)	30-540MHz	dB	18.0	26.0	—
Isolation(pin5-1)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



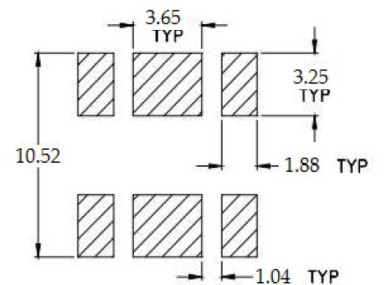
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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

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[MAPDCC0005](#) [3A325](#) [BD0810N50100AHF](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [LFL15869MTC1B787](#) [X3C19F1-20S](#)
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[BD1222J50200AHF](#) [BD1722J50100AHF](#) [2450DP39K5400E](#) [BD0810J50150AHF](#) [BD1722J50200AHF](#) [DS-327-PIN](#) [MACP-008125-](#)
[CK07F0](#) [DS-329-PIN](#) [DS-313-PIN](#) [TP-104-PIN](#) [TP-101-PIN](#) [HH-128-PIN](#) [8594810000](#) [T-1000-N](#) [JP506S](#) [XC0900P-10S](#) [XC0900B-30S](#)
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[B39242B4360P810](#) [B39781B8005P810](#)