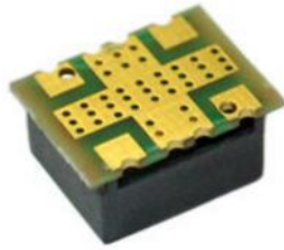


**H2SYBDC-26-52VHP+**



30-540MHz

50Ω 26dB Directional Coupler

**Features**

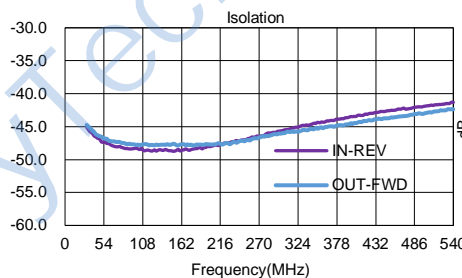
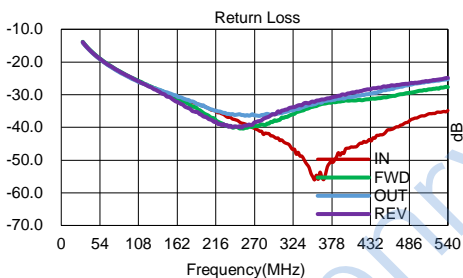
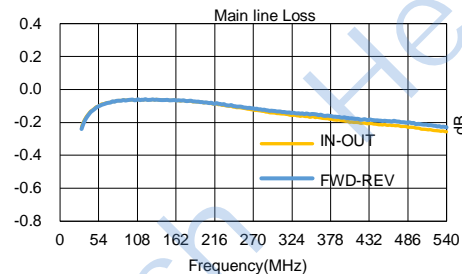
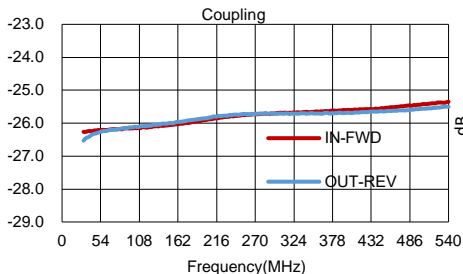
- Input Power:50W Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range:-40°C to +85°C
- Storage temperature range: -55°C to +100°C

**Applications**

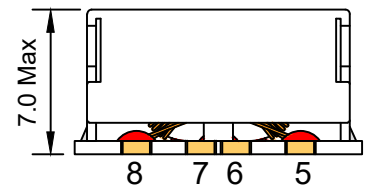
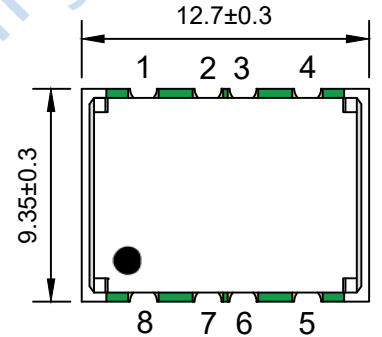
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

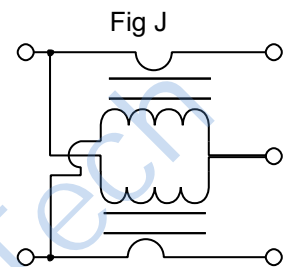
Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(pin8-5)	30-540MHz	dB	25.0	26.0	27.0
Main line Loss(pin8-1)	30-540MHz	dB	—	0.20	0.25
Input Return Loss(pin 8)	30-540MHz	dB	20.0	38.0	—
Coupling Return Loss(pin5)	30-540MHz	dB	18.0	26.0	—
Output Return Loss(pin1)	30-540MHz	dB	18.0	26.0	—
Isolation(pin5-1)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



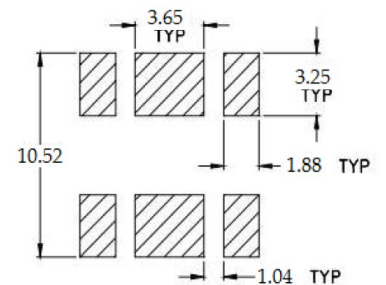
**Outline Drawing(mm)**



**Electrical structure**



**Recommended layout(mm)**



**Pin Connections**

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