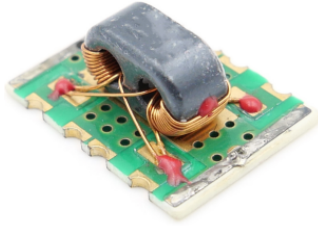


# H2SYDC-20-61VHP+



1.5-60MHz

50Ω 20dB Directional Coupler

### Features

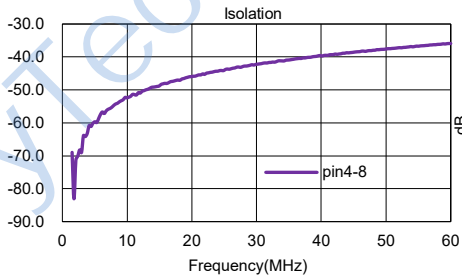
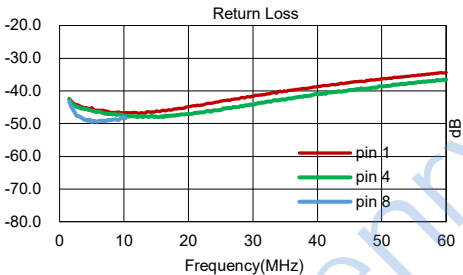
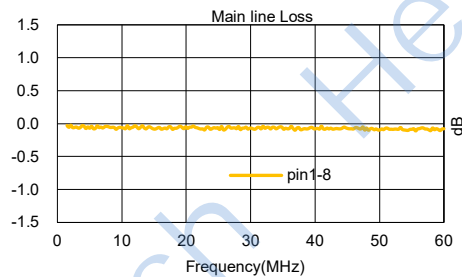
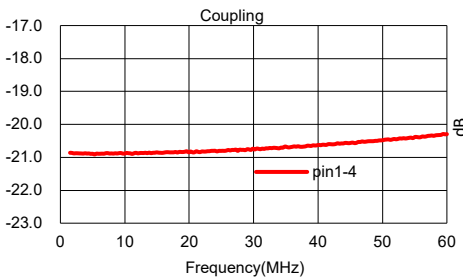
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 40W Max

### Applications

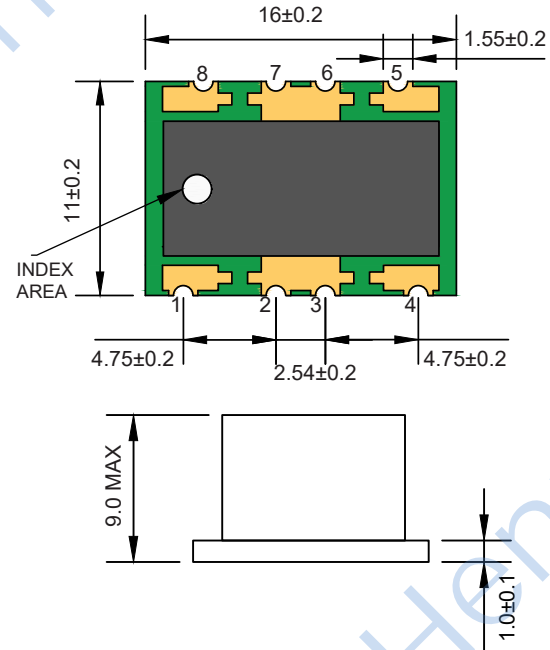
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

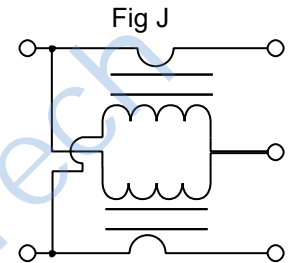
Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(pin1-4)	1.5-60MHz	dB	20.2	21.0	21.5
Main line Loss(pin1-8)	1.5-60MHz	dB	—	0.1	0.2
Input Return Loss(pin 1)	1.5-60MHz	dB	25.0	37.0	—
Coupling Return Loss(pin4)	1.5-60MHz	dB	25.0	35.0	—
Output Return Loss(pin8)	1.5-60MHz	dB	25.0	37.0	—
Isolation(pin4-8)	1.5-60MHz	dB	36.0	38.0	—



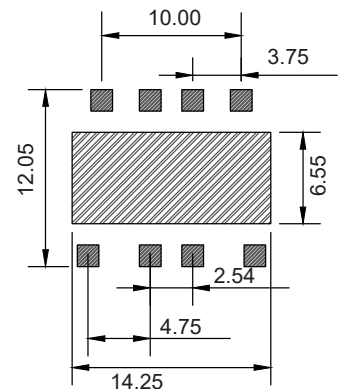
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Pin Connections

INPUT	1
OUTPUT	8
COUPLED	4
50Ω TERM EXTERNAL	5
GROUND	2,3,6,7