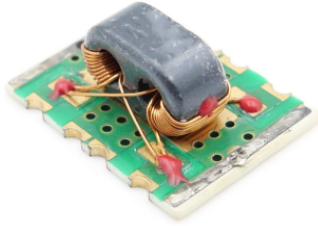


**H2SYDC-20-61VHP+**



1.5-60MHz

50Ω 20dB Directional Coupler

**Features**

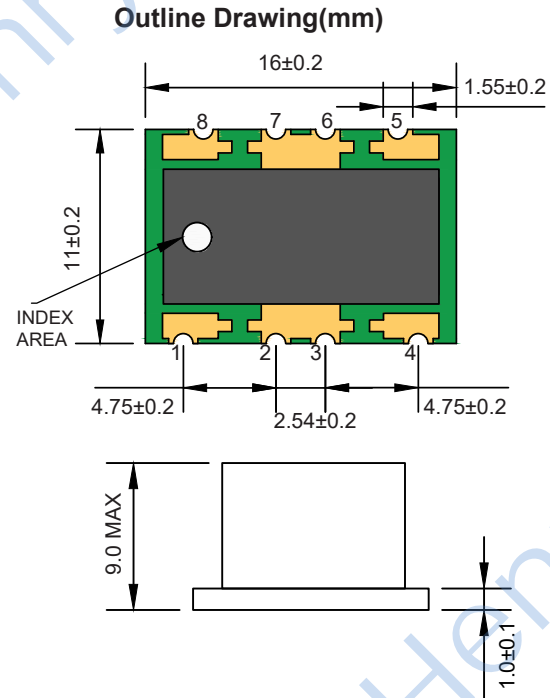
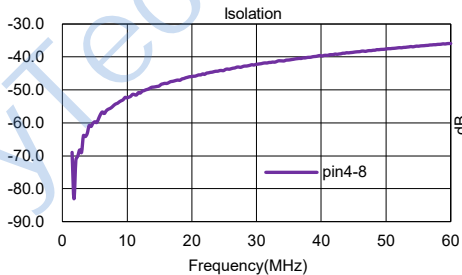
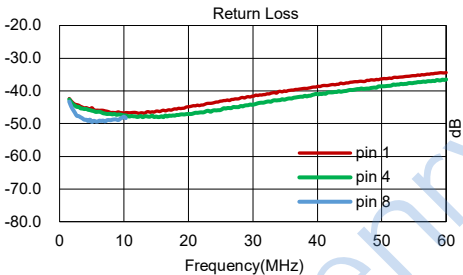
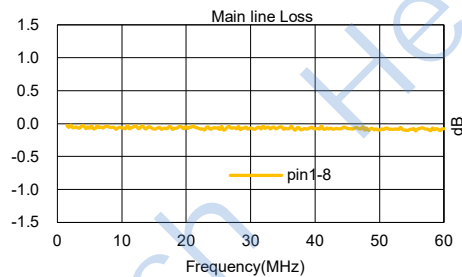
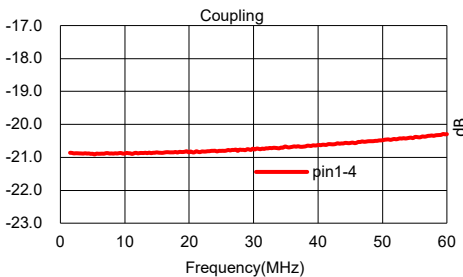
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 40W Max

**Applications**

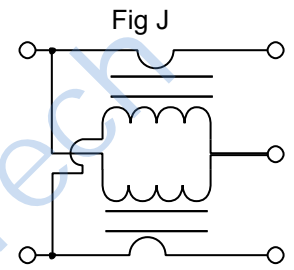
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

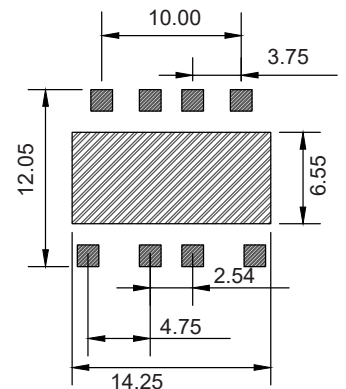
Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(pin1-4)	1.5-60MHz	dB	20.2	21.0	21.5
Main line Loss(pin1-8)	1.5-60MHz	dB	—	0.1	0.2
Input Return Loss(pin 1)	1.5-60MHz	dB	25.0	37.0	—
Coupling Return Loss(pin4)	1.5-60MHz	dB	25.0	35.0	—
Output Return Loss(pin8)	1.5-60MHz	dB	25.0	37.0	—
Isolation(pin4-8)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



**Electrical structure**



**Recommended layout (mm)**



**Pin Connections**

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

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[CDBLB455KCAX39-B0](#) [RF1353C](#) [051157-0000](#) [PD0922J5050D2HF](#) [600S150FTRB](#) [1E1305-3](#) [1F1304-3S](#) [TP-103-PIN](#)  
[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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