

**H2SYDC-20-13HP+**



30-1000MHz

50Ω 20dB Directional Coupler

**Features**

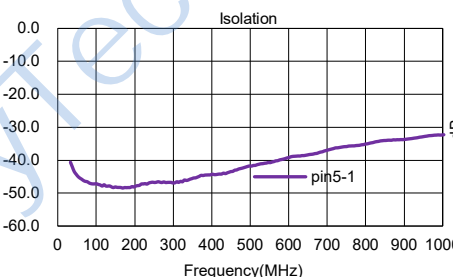
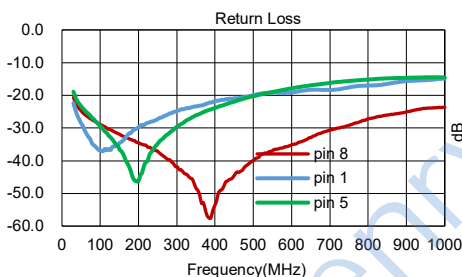
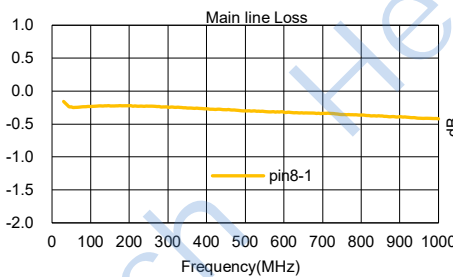
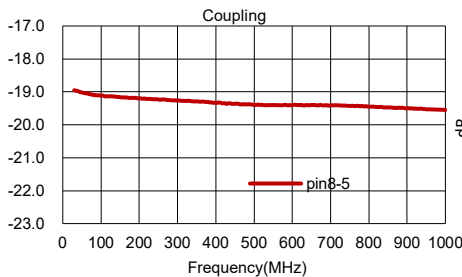
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Input Power: 10W Max

**Applications**

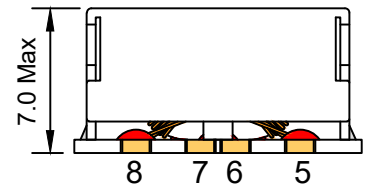
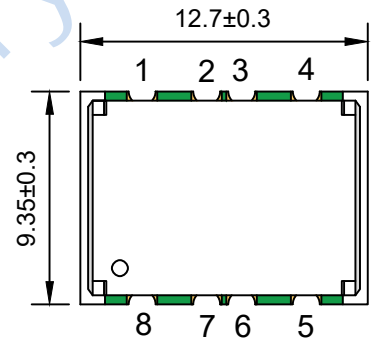
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

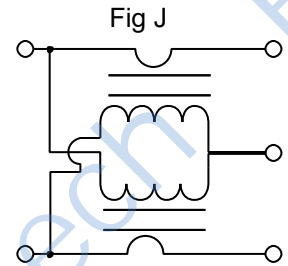
Parameter	Test Conditions	Units	Min	Typ	Max
Coupling(pin8-5)	30-1000MHz	dB	19.0	20.0	21.0
Main line Loss(pin8-1)	30-1000MHz	dB	—	0.50	0.65
Input Return Loss(pin 8)	30-1000MHz	dB	16.0	20.0	—
Coupling Return Loss(pin5)	30-1000MHz	dB	14.0	16.0	—
Output Return Loss(pin1)	30-1000MHz	dB	14.0	16.0	—
Isolation(pin5-1)	30-1000MHz	dB	34.0	38.0	—



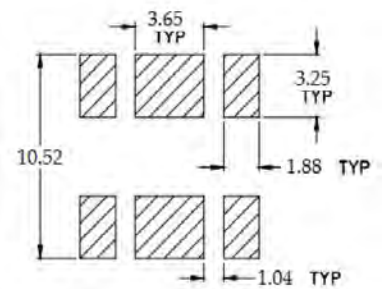
**Outline Drawing(mm)**



**Electrical structure**



**Recommended layout(mm)**



**Pin Connections**

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