

H2SYDC-20-62HP+



10-540MHz

50Ω 20dB Directional Coupler

Features

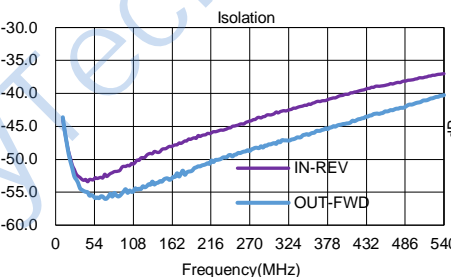
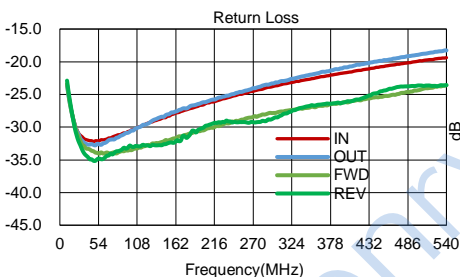
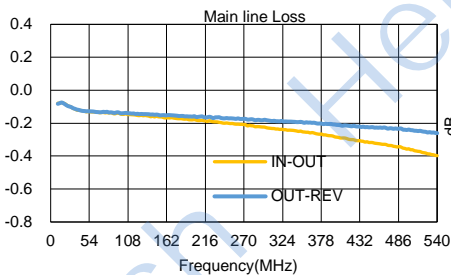
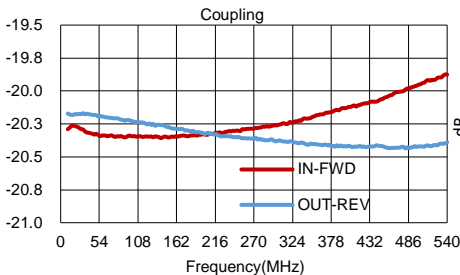
- Input Power: 25W Max
- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -55°C to +100°C

Applications

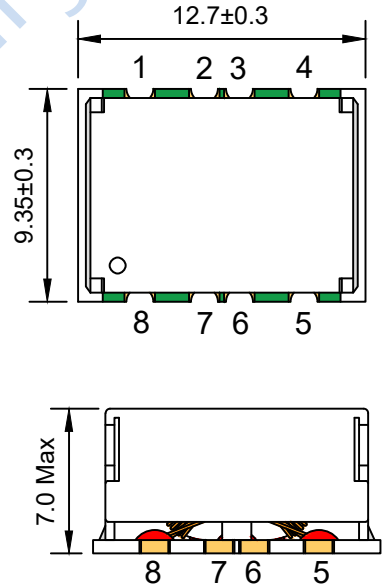
- For Motorola Walkie-talkie.
- For Car Streaming Media Rearview Mirror.
- For Broadband and Wireless Communications.
- For Wireless Microphone & Marine Communications.
- For Ideally Suited LTE, Cellular, UMTS, WiFi, WiMAX.
- For Differential Modulator/demodulator and Active Mixers.

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

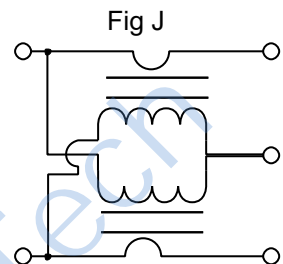
| Parameter | Test Conditions | Units | Min | Typ | Max |
|----------------------------|-----------------|-------|------|------|------|
| Coupling(pin8-5) | 30-540MHz | dB | 19.5 | 20.0 | 20.5 |
| Main line Loss(pin8-1) | 30-540MHz | dB | — | 0.30 | 0.45 |
| Input Return Loss(pin 8) | 30-540MHz | dB | 18.0 | 20.0 | — |
| Coupling Return Loss(pin5) | 30-540MHz | dB | 22.0 | 25.0 | — |
| Output Return Loss(pin1) | 30-540MHz | dB | 18.0 | 20.0 | — |
| Isolation(pin5-1) | 30-540MHz | dB | 38.0 | 42.0 | — |



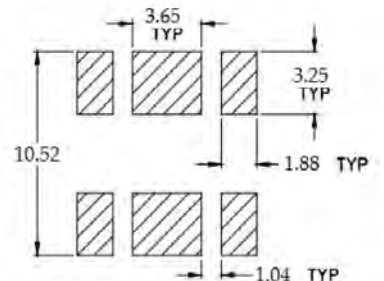
Outline Drawing(mm)



Electrical structure



Recommended layout(mm)



Pin Connections

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