



H3-ACP-5-1300-5022+

5-1300MHz 50Ω 22dB Coupler

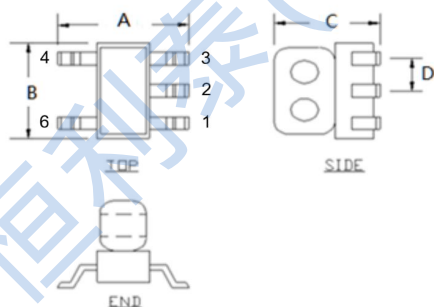
• APPLICATIONS

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

• FEATURES

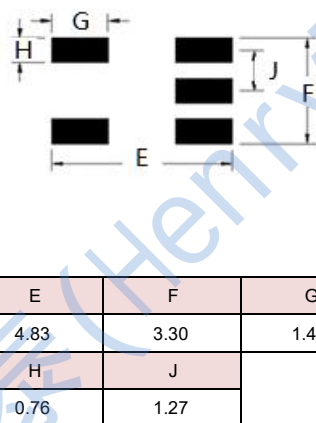
- Surface mount
- 22dB Coupler
- RoHS compliant and Pb free
- Available on tape and reel

DIMENSIONS



A	B	C
4.23	3.74	3.55
D		
1.27		

Land Pattern



E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

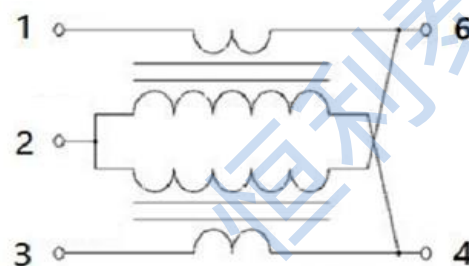
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Main line Loss(pin3-4)	5 - 1300 MHz		0.6	1.0	dB
Coupling(pin3-1)	5 - 1300 MHz	21.0	22.2	23.0	dB
Input Return Loss(pin 3)	5 - 1300 MHz	20.0	25.0		dB
Coupling Return Loss(pin 1)	5 - 1300 MHz	18.0	23.0		dB
Output Return Loss(pin4)	5 - 1300 MHz	20.0	25.0		dB
Isolation	5 - 1300 MHz	30.0	36.0		dB

FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

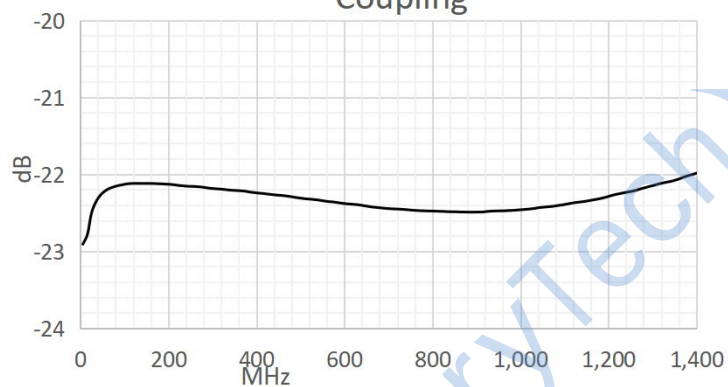
Pin No.	Function
1	Coupled
2	Ground
3	Input
4	Output
6	External 50 Ohm

ABSOLUTE MAXIMUM RATINGS

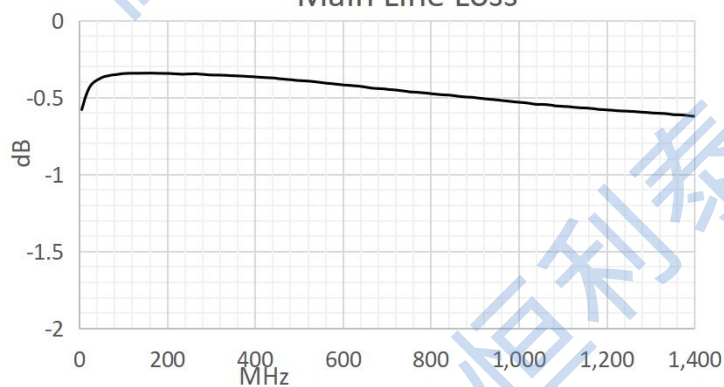
Parameter	Value
Input RF Power	250mW Max
DC Current	30mA Max
Operating Temperature Range	-40 to125°C
Storage Temperature Range	-55 to125°C

TEST CURVE

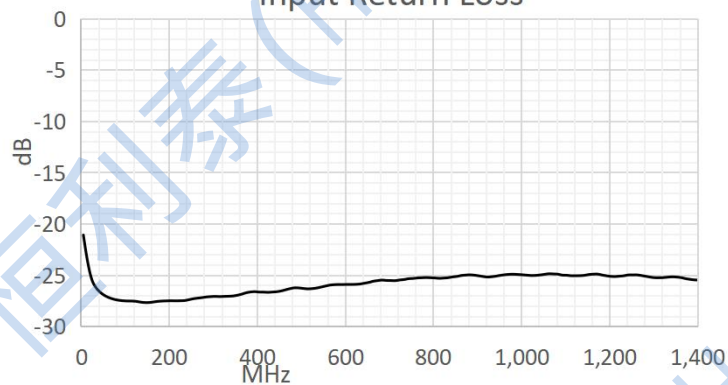
Coupling



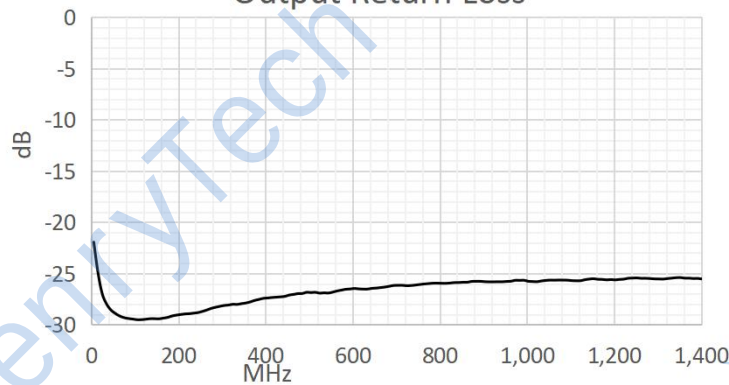
Main Line Loss



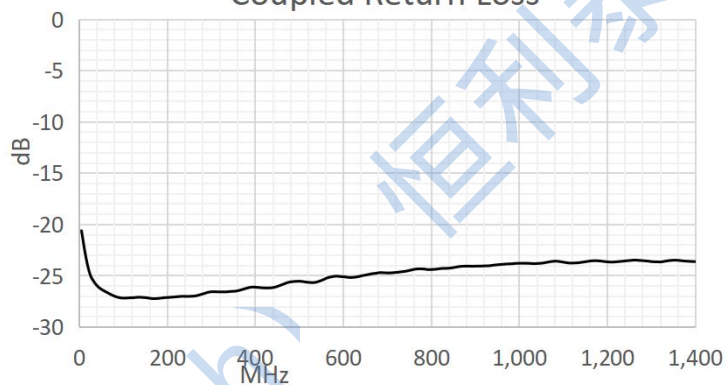
Input Return Loss



Output Return Loss



Coupled Return Loss



Isolation

