

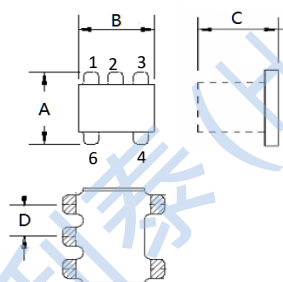
H3-TCD-9-1W+

5-2000MHz 50Ω 9dB Coupler

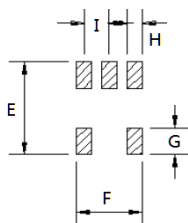
- **APPLICATIONS**
- GPS /Cellular /Satellite distribution /CABLE TV.

- **FEATURES**
- Surface mount
- 9 dB Coupler
- RoHS compliant and Pb free
- Available on tape and reel

DIMENSIONS



Land Pattern



A	B	C
3.81	3.81	2.74
D		
1.27		

E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

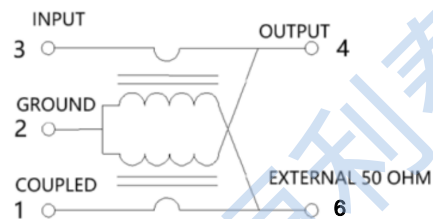
Unless otherwise stated dimensions are in mm

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
Coupling	5 - 2000 MHz	8.4	8.9	9.4	dB
Coupling Flatness (±)			0.6		
Main Line Loss	5 - 50 MHz		1.2	2.1	dB
	50 - 500 MHz		1.3	1.8	dB
	500 - 1000 MHz		1.6	2.1	dB
	1000 - 2000 MHz		3	-	dB
VSWR	5 - 1000 MHz	-	15		dB
	1000 - 2000 MHz	-	15		dB
Directivity	5 - 50 MHz	17	21		dB
	50 - 500 MHz	13	17		dB
	500 - 1000 MHz	11	13		dB
	1000 - 2000 MHz	-	10		dB

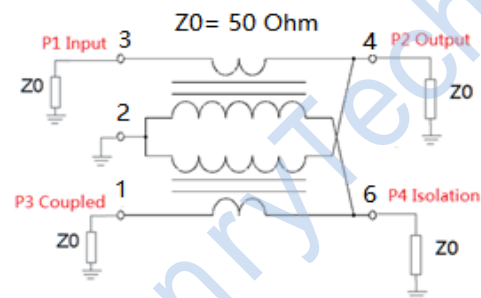
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Coupled
2	Ground
3	Input
4	Output
6	Isolated port (50 OHM termination)

APPLICATION & TEST CIRCUIT



ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input Power (5-1000MHz)	0.5W Max
Input Power (1000-2000MHz)	1W Max
Operating Temperature Range	-20 to 80°C
Storage Temperature	-20 to 80°C

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TEST CURVE

