

## H3-ACP-5-1250-7512+

5-1250MHz 75Ω 12dB Coupler

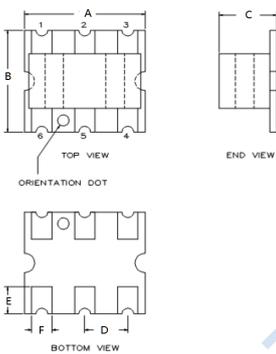
### APPLICATIONS

• Ideally suited for CATV Broadband applications.

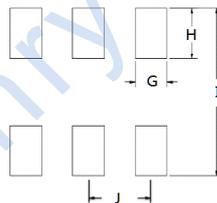
### FEATURES

- Surface mount
- 12dB Coupler
- RoHS compliant and Pb free
- Available on tape and reel

### DIMENSIONS



### Land Pattern



A	B	C
7.11	6.35	3.10
D	E	F
2.54	1.70	1.20

G	H	I
1.30	2.15	6.71
J		
2.54		

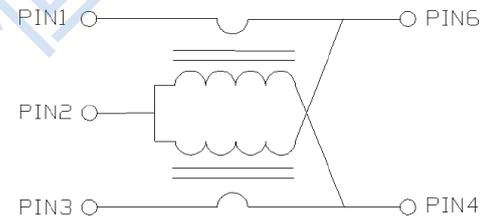
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

### ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0(P1/P2/P3/P4)			75/75/75/75		Ohm
Coupling (pin1-3)	5 - 1250 MHz	11.0	12.0	13.0	dB
Main Line Loss (pin1-6)	5 - 1250 MHz		1.2	2	dB
Input Return Loss (pin1)	5 - 1250 MHz	15	17		dB
Output Return Loss (pin6)	5 - 1250 MHz	15	17		dB
Coupled Return Loss (pin3)	5 - 1250 MHz	16	18		dB
Isolation	5 - 470 MHz	28	32		dB
	470-862MHz	23	28		dB
	862-1006MHz	22	26		dB
	1006-1250MHz	20	25		dB

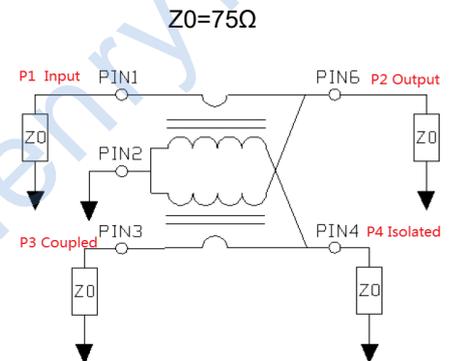
### FUNCTIONAL SCHEMATIC



### PIN CONFIGURATION

Pin No.	Function
1	Input
2	Ground
3	Coupled
4	Isolated
5	Not Connected
6	Output

### APPLICATION & TEST CIRCUIT



### ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input RF Power	2W Max
DC Current	500mA Max
Operating Temperature Range	-40 to 95°C

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## TEST CURVE

