



H3-5-1218M-50-17

5-1218MHz 50Ω 17dB Coupler

• APPLICATIONS

• Ideally suited for CATV Broadband applications.

• FEATURES

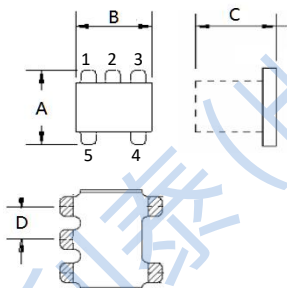
• Surface mount

• 17dB Coupler

• RoHS compliant and Pb free

• Available on tape and reel

DIMENSIONS

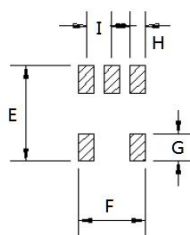


A	B	C
3.81	3.81	2.70
D		
1.27		

Unless otherwise stated dimensions are in mm

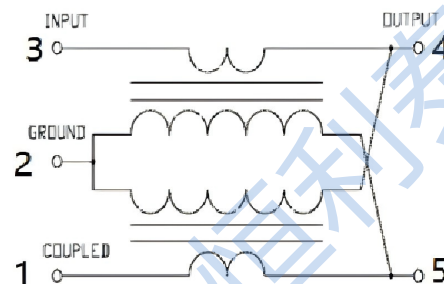
Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern



E	F	G
4.83	3.30	1.40
H	J	
0.76	1.27	

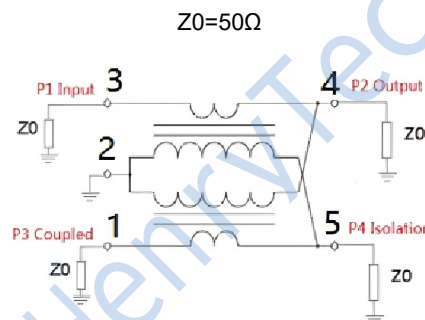
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

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

APPLICATION & TEST CIRCUIT



ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Coupling	5 - 1218 MHz	16.6	17.0	17.8	dB
Coupling Flatness	5 - 1218 MHz		0.5	1.0	dB
Main Line Loss	5 - 1218 MHz		0.7	1	dB
Input Return Loss	5 - 1218 MHz	20	22		dB
Output Return Loss	5 - 1218 MHz	20	24		dB
Coupled Return Loss	5 - 1000 MHz	20	23		dB
	1000 - 1218 MHz	18	21		dB
Isolation	5 - 1218 MHz	25	30		dB

ABSOLUTE MAXIMUM RATINGS

Parameter	Value
RF Power	250 mW Max
DC Current	30mA Max
Operating Temperature Range	-40 to 85°C
Storage Temperature	-40 to 85°C

Tel: +86-28-85589664

E-mail: mr_li@henglitaitech.com

Web: www.hltchips.com

Address: Room 1401, 14th Floor, Building 5, Huaxi Science and Technology Innovation Center, No. 50, Shuxi Road, Jinniu District, Chengdu City



TEST CURVE

