

H3-MACP-011081

5-1800MHz 75Ω 14.5dB Coupler

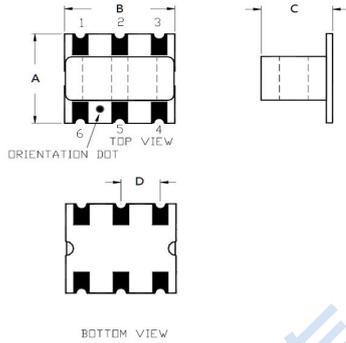
APPLICATIONS

Ideally suited for CATV Broadband applications.

FEATURES

- Surface mount
- 20dB Coupler
- RoHS compliant and Pb free
- Available on tape and reel

DIMENSIONS

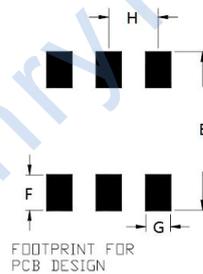


A	B	C
6.35	7.11	3.00
D		
2.54		

Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern

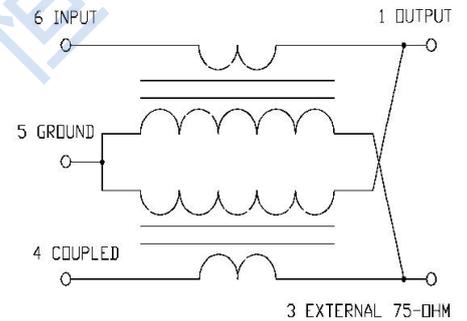


E	F	G
7.87	1.78	1.27
H		
2.54		

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	5 - 1800 MHz	14.0	14.5	15.0	dB
Main Line Loss	5 - 1225 MHz		0.7	0.9	dB
	1225-1800 MHz		1.1	1.3	dB
Input Return Loss	5 - 1225 MHz	18	24		dB
	1225-1800 MHz	17	22		dB
Output Return Loss	5 - 1225 MHz	18	26		dB
	1225-1800 MHz	16	20		dB
Coupled Return Loss	5 - 1225 MHz	18	25		dB
	1225-1800 MHz	17	24		dB
Isolation	5 - 1225 MHz	28	32		dB
	1225-1800 MHz	24	26		dB

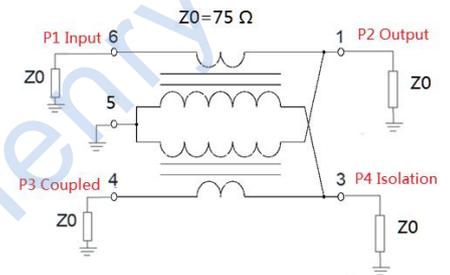
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Output
2	Not Connected
3	External 75 Ohm
4	Coupled
5	Ground
6	Input

APPLICATION & TEST CIRCUIT

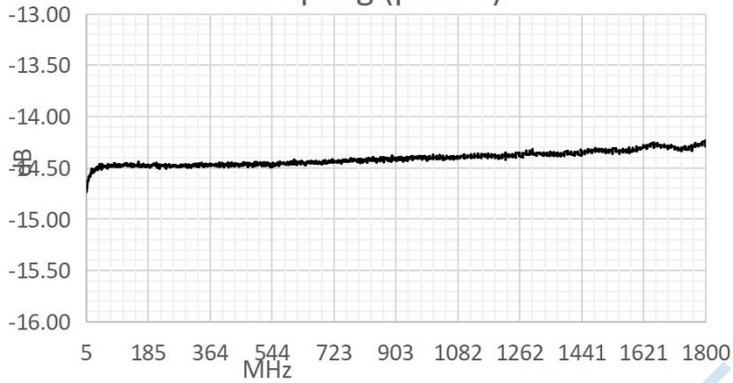


ABSOLUTE MAXIMUM RATINGS

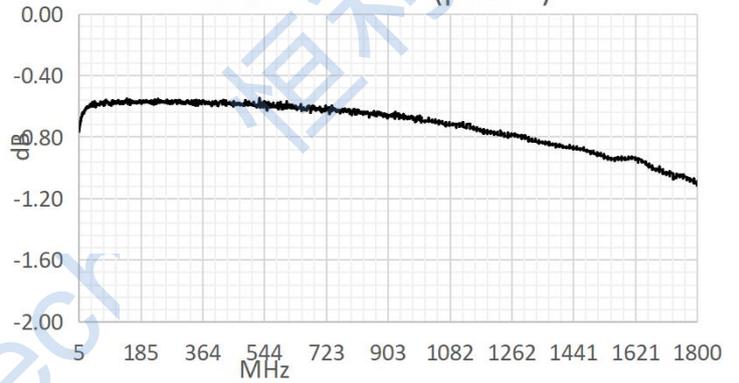
Parameter	Value
Input Power	2W Max
DC Current	500mA Max
Operating Temperature Range	-40 to 85°C

TEST CURVE

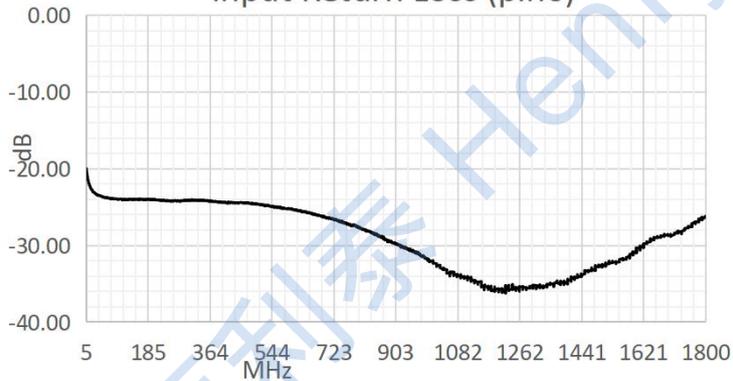
Coupling (pin6-4)



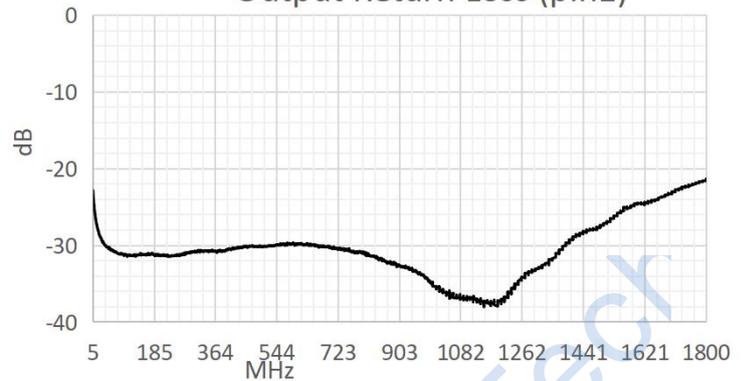
Main Line Loss (pin6-1)



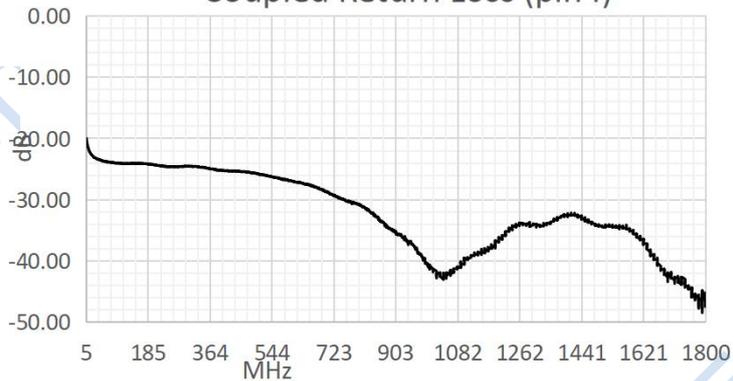
Input Return Loss (pin6)



Output Return Loss (pin1)



Coupled Return Loss (pin4)



Isolation (pin6-3)

