



H3-ADC-20-4+

5-1000MHz 50Ω 20dB Coupler

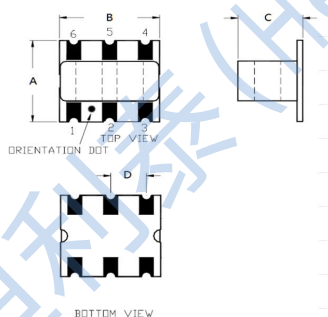
• APPLICATIONS

- Ideally suited for CATV Broadband applications.

• FEATURES

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

DIMENSIONS

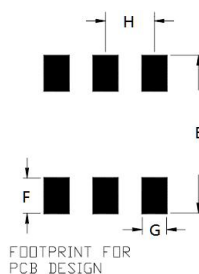


A	B	C
6.35	7.11	4.5Max
D		
2.54		

Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern

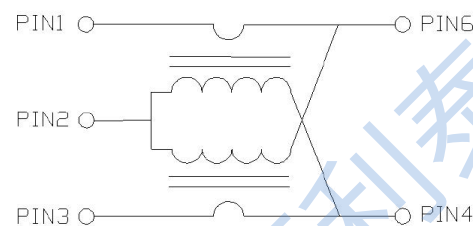


E	F	G
7.87	1.78	1.27
H		
2.54		

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Coupling	5 - 1000 MHz	19.4	20.0	21.8	dB
Coupling Flatness	5 - 1000 MHz			1.0	dB
Main Line Loss	5 - 1000 MHz		0.7	1	dB
Input Return Loss	5 - 1000 MHz	20	23		dB
Output Return Loss	5 - 1000 MHz	20	23		dB
Coupled Return Loss	5 - 1000 MHz	18	21		dB
Isolation	5 - 1000 MHz	30	33		dB

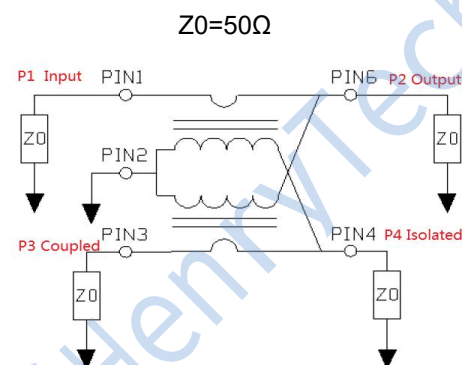
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Input
2	Ground
3	Coupled
4	External 50 Ohm
5	Not Connected
6	Output

APPLICATION & TEST CIRCUIT



ABSOLUTE MAXIMUM RATINGS

Parameter	Value
RF Power	1W Max
DC Current	30mA Max
Operating Temperature Range	-40 to 85°C
Storage Temperature	-55 to 100°C

TEST CURVE

