

H3-MAPD-008109-C30040

5-200MHz 75Ω 3 Way Power Divider

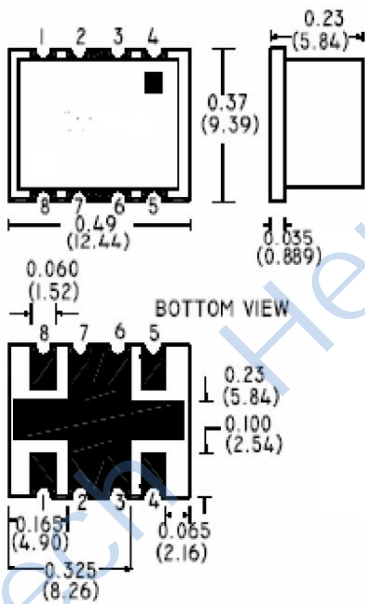
APPLICATIONS

- Ideally suitable for CATV applications.

FEATURES

- Surface mount
- 3 Way 0 degree
- 260°C reflow compatible
- RoHS compliant and Pb free
- Available on tape and reel

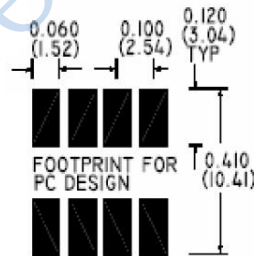
DIMENSIONS



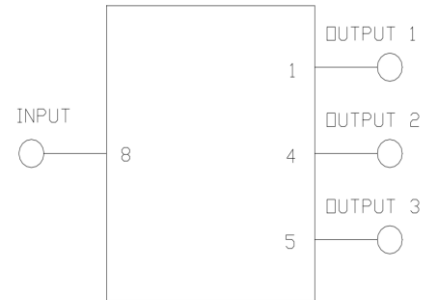
Unless otherwise stated dimensions are in mm

Tolerance where not specified: .xx ± .02, .xxx ± .010

PCB LAYOUT



FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Output Port 1
4	Output Port 2
5	Output Port 3
8	Input
2, 3, 6, 7	Ground

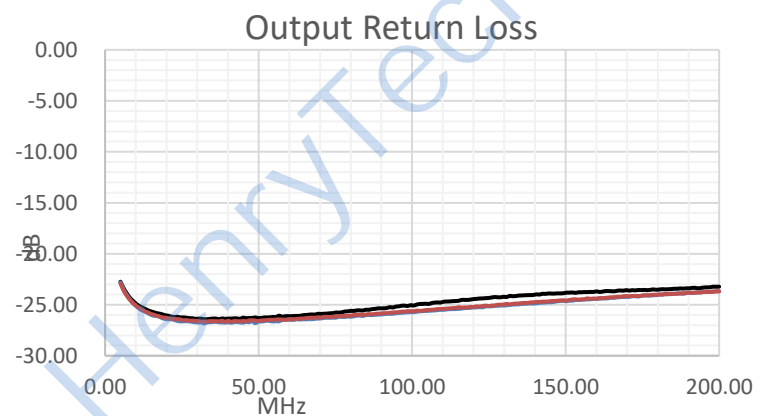
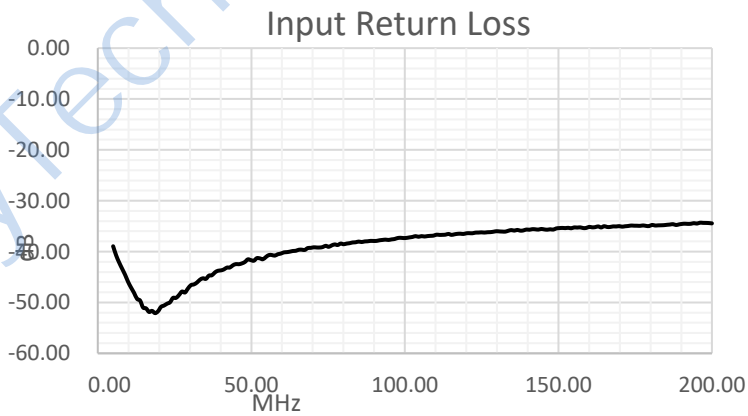
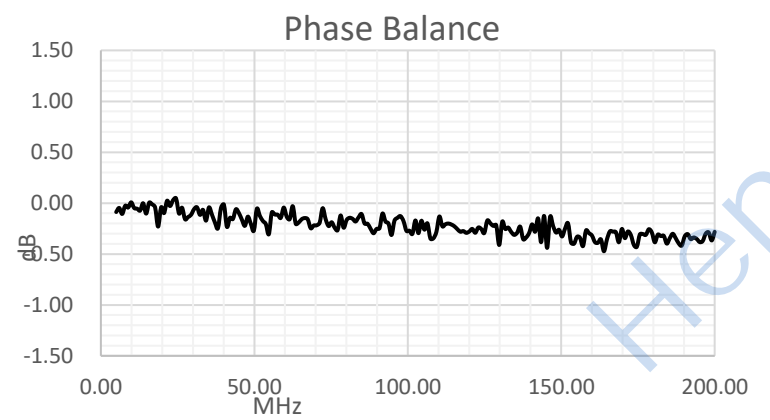
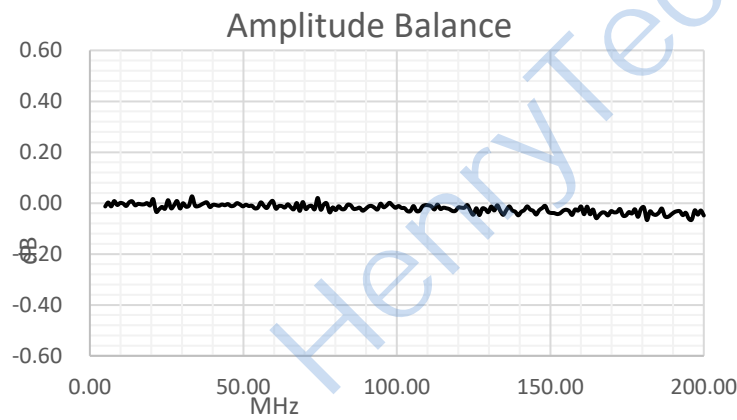
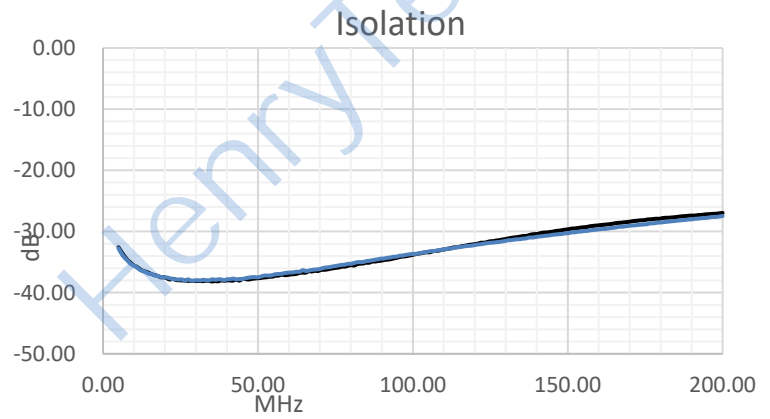
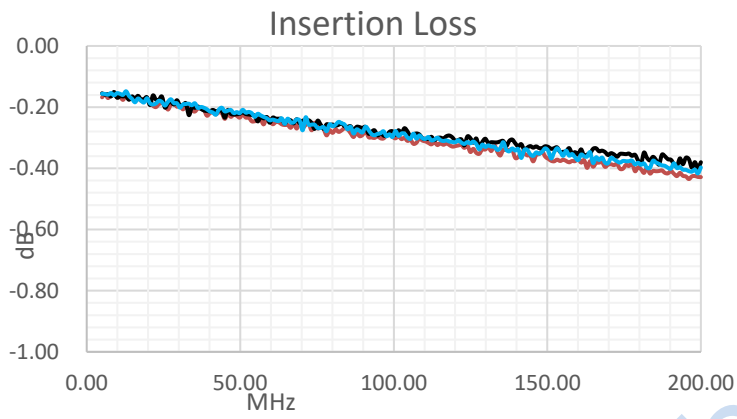
ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			75		Ohm
Insertion Loss(Above -4.77dB)	5-200MHZ		0.3	0.5	dB
Input Return Loss	5-200MHZ	28	34		dB
Output Return Loss	5-200MHZ	20	25		dB
Amplitude Balance	5-200MHZ		0.05	0.1	dB
Phase Balance	5-200MHZ		0.4	1	Deg
Isolation	5-50MHz	30	37		dB
	50-60MHz	33	39		dB
	60-125MHz	28	36		dB
	125-200MHz	24	28		dB

ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input RF Power	1W Max
Internal Load Dissipation	0.125W Max
Operating Temperature Range	-40 to85°C
Storage Temperature Range	-55 to100°C
Pin Temp (10 sec.)	260°C

TEST CURVE



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