

H3-TCP-2-10+

5-1000MHz 50Ω 2 Way Power Divider

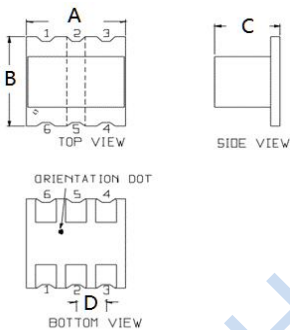
• APPLICATIONS

- Ideally suitable for CATV applications.

FEATURES

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

DIMENSIONS

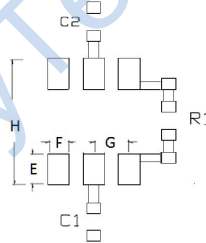


A	B	C
4.30	4.30	3.00
D		
1.27		

Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

PCB LAYOUT

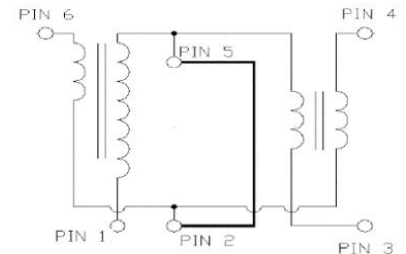


Suggest:

C1, C2 = 0.5pF

R1 = 100Ω

FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

Pin No.	Function
1	Ground
2	External 0.5 pF Capacitor
3	Output 2
4	Output 1
5	External 0.5 pF Capacitor
6	Input

ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Insertion Loss(Above 3dB)	5-1000MHZ		0.6	1.0	dB
VSWR	5-1000MHZ		1.1	1.5	dB
Isolation	5-1000MHZ	16.0	18.0		dB
Amplitude Balance	5-1000MHZ		0.4	1.0	dB
Phase Balance	5-1000MHZ		2	15	Deg

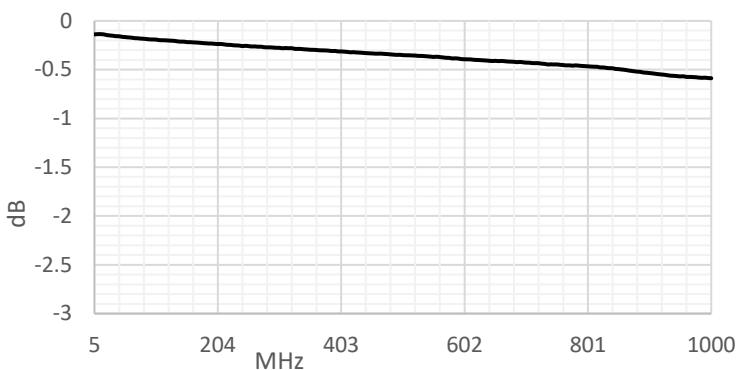
ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input RF Power	1W Max
Internal Load Dissipation	0.125W Max
Operating Temperature Range	-40 to 85°C

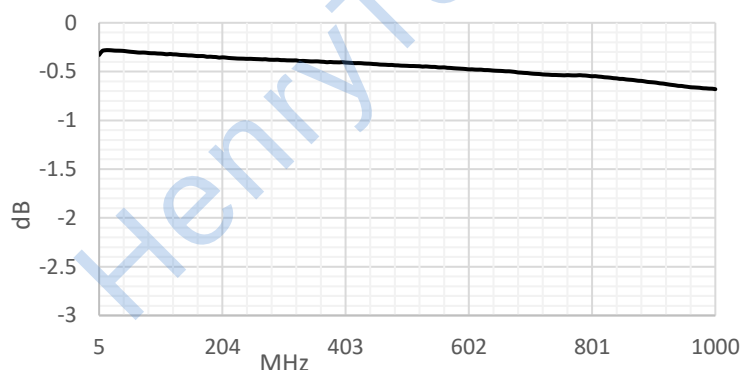


TEST CURVE

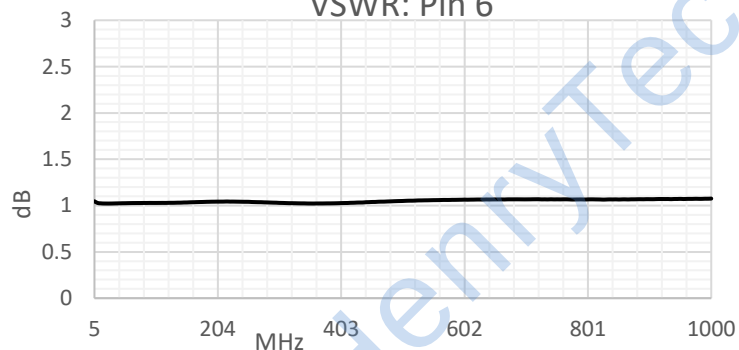
Insertion Loss: Pin 6 to Pin 4



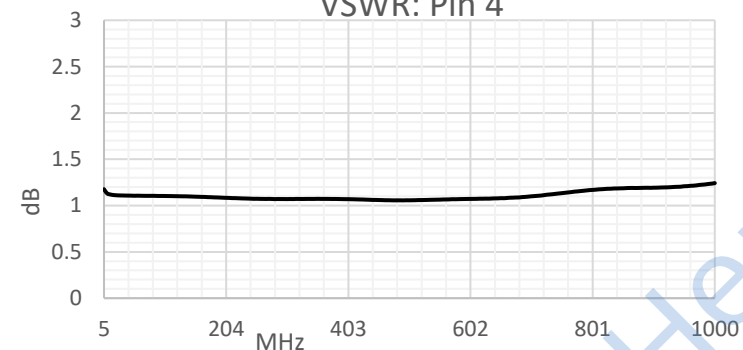
Insertion Loss: Pin 6 to Pin 3



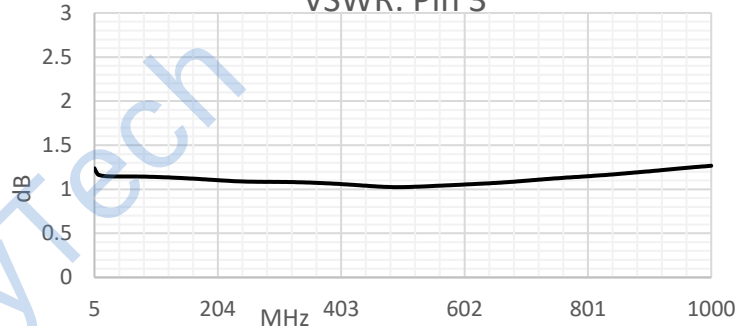
VSWR: Pin 6



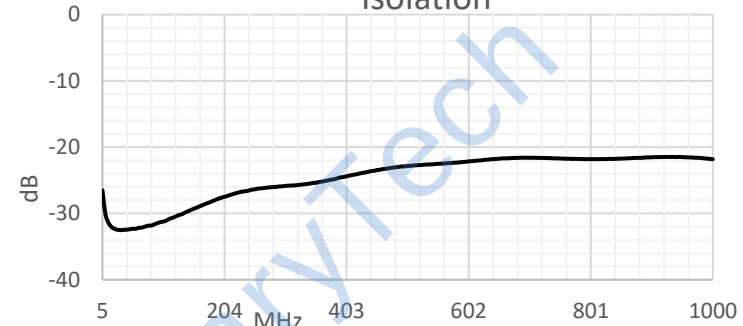
VSWR: Pin 4



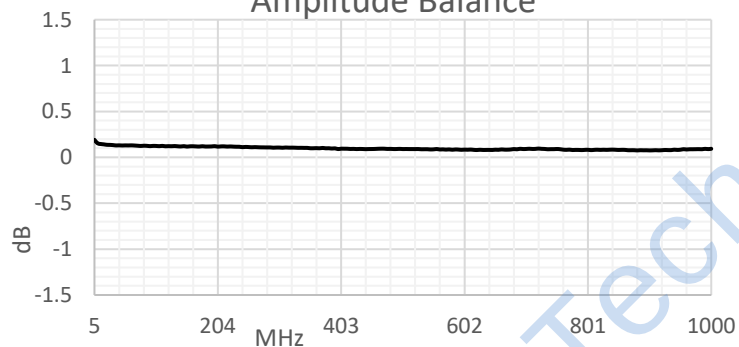
VSWR: Pin 3



Isolation



Amplitude Balance



Phase Balance

