

H3-MACPCT0030

5-1200MHz 75Ω 16dB Coupler

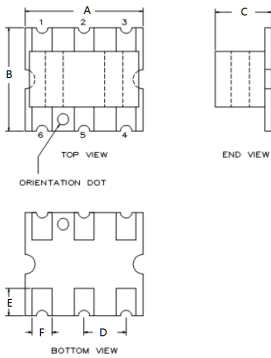
APPLICATIONS

• Ideally suited for CATV Broadband applications.

FEATURES

- Surface mount
- 16dB Coupler
- RoHS compliant and Pb free
- Available on tape and reel

DIMENSIONS

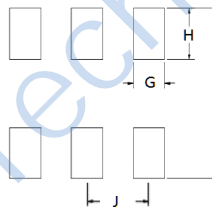


A	B	C
7.11	6.35	4.85Max
D	E	F
2.54	1.50	1.00

Unless otherwise stated dimensions are in mm

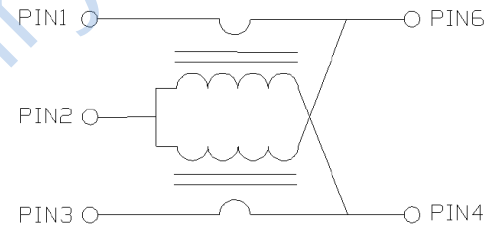
Tolerance: .xx ± 0.25, .xxx ± 0.05

Land Pattern



G	H	I
1.27	1.75	7.80
J		
2.54		

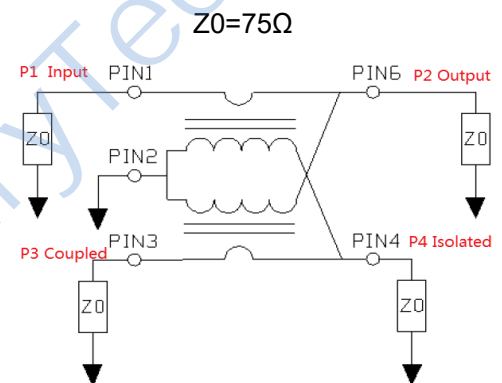
FUNCTIONAL SCHEMATIC



PIN CONFIGURATION

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

APPLICATION & TEST CIRCUIT



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 (pin1-3)	5 - 40 MHz		15.8	16.0	dB
	40-1000MHz		16.0	17.5	dB
	1000-1200MHz		16.2	18.5	dB
Main Line Loss (pin1-6)	5 - 1000 MHz		0.8	1.25	dB
	1000-1200MHz		1.1	1.6	dB
Input Return Loss (pin1)	5 - 40 MHz	20	24		dB
	40-1000MHz	24	27		dB
	1000-1200MHz	22	25		dB
Output Return Loss (pin6)	5 - 40 MHz	20	23		dB
	40-1000MHz	25	30		dB
	1000-1200MHz	20	27		dB
Coupled Return Loss (pin3)	5 - 1000 MHz	20	23		dB
	1000-1200MHz	16	22		dB
Isolation	5 - 1000 MHz	25	27		dB
	1000-1200MHz	23	25		dB

ABSOLUTE MAXIMUM RATINGS

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

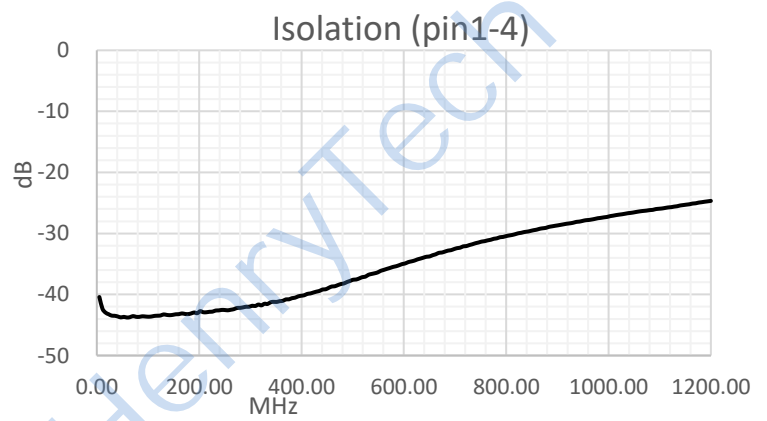
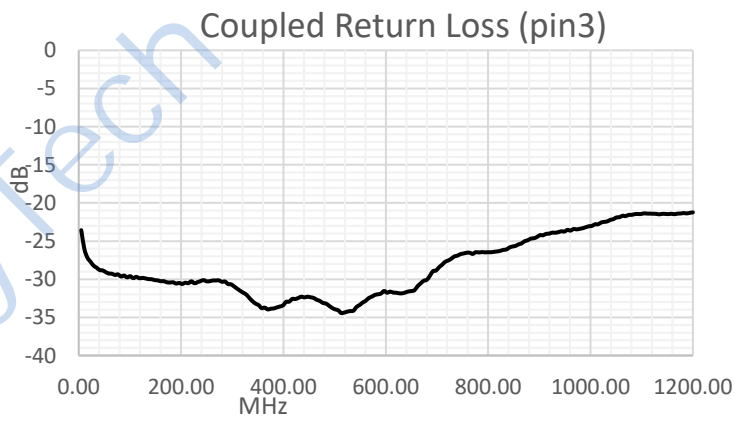
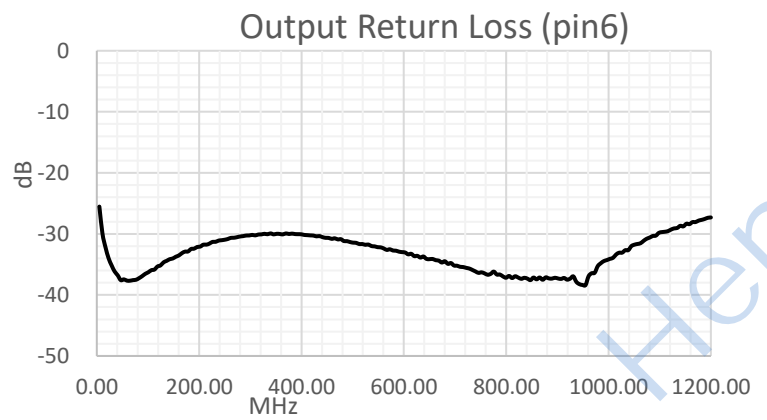
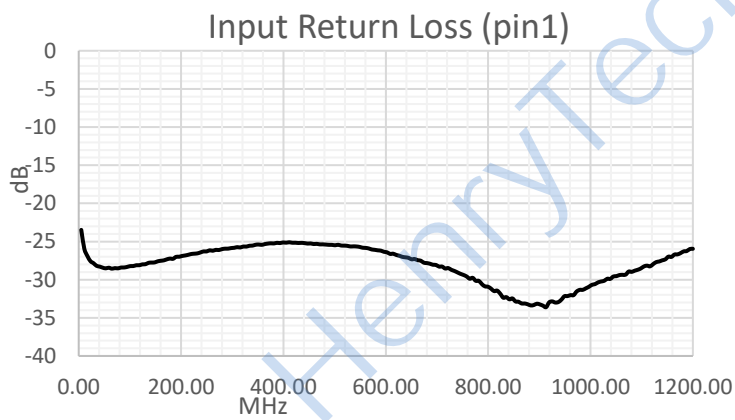
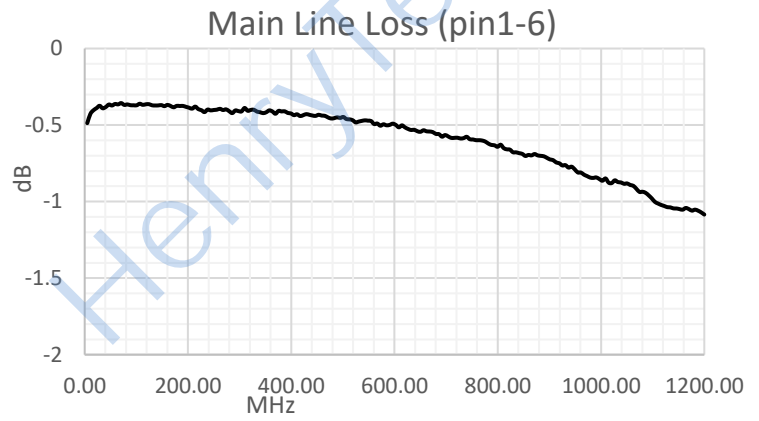
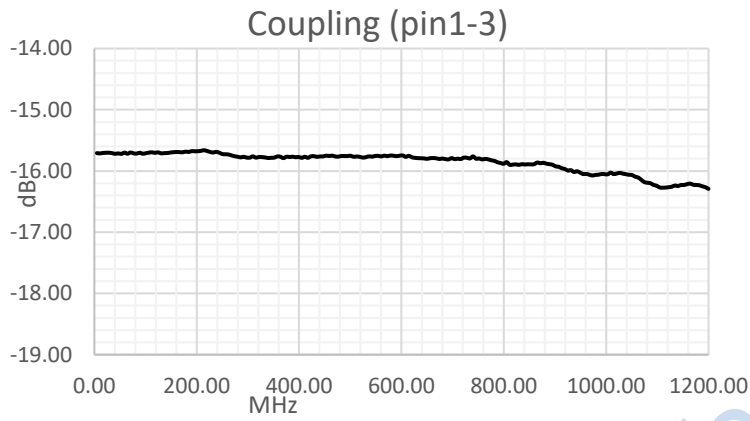
Tel: +86-28-85589664

E-mail: mr_li@henglitaitech.com

Web: www.hltchips.com

Address: No.198 Tianqin East Street, Gaoxin West District, Chengdu City

TEST CURVE



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Signal Conditioning](#) category:

Click to view products by [HenryTech](#) manufacturer:

Other Similar products are found below :

[PD0409J5050S2HF](#) [HHS-109-PIN](#) [AFS14A35-1591.50-T3](#) [JP510S](#) [LFB322G45SN1A504](#) [SF2159E](#) [FM-104-PIN](#) [CER0813B](#)
[MAPDCC0005](#) [3A325](#) [BD0810N50100AHF](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [LFL15869MTC1B787](#) [X3C19F1-20S](#)
[CDBLB455KCAX39-B0](#) [RF1353C](#) [051157-0000](#) [PD0922J5050D2HF](#) [600S150FTRB](#) [1E1305-3](#) [1F1304-3S](#) [TP-103-PIN](#)
[BD1222J50200AHF](#) [BD1722J50100AHF](#) [2450DP39K5400E](#) [BD0810J50150AHF](#) [BD1722J50200AHF](#) [DS-327-PIN](#) [MACP-008125-](#)
[CK07F0](#) [DS-329-PIN](#) [DS-313-PIN](#) [TP-104-PIN](#) [TP-101-PIN](#) [HH-128-PIN](#) [8594810000](#) [T-1000-N](#) [JP506S](#) [XC0900P-10S](#) [XC0900B-30S](#)
[CHE1260-QAG](#) [11305-10](#) [5962-9091202MXA](#) [3A412S](#) [X3C06A4-03S](#) [B39000Z3410A4](#) [DSS-333-PIN](#) [PD2425J5050S2HF](#)
[B39242B4360P810](#) [B39781B8005P810](#)