

## H3-MACP-010388-CK0A40

5-1200MHz 75Ω 20dB Coupler

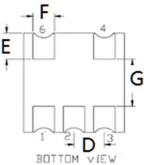
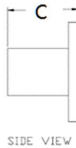
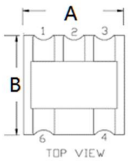
### • APPLICATIONS

• Ideally suited for CATV Broadband applications.

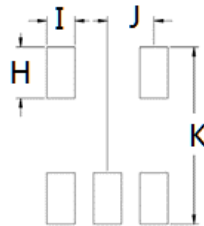
### • FEATURES

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

### DIMENSIONS



### Land Pattern



A	B	C	D	H	I	J
4.30	4.30	2.65	1.27	1.40	0.76	1.27
E	F	G		K		
1.11	0.90	2.00		4.83		

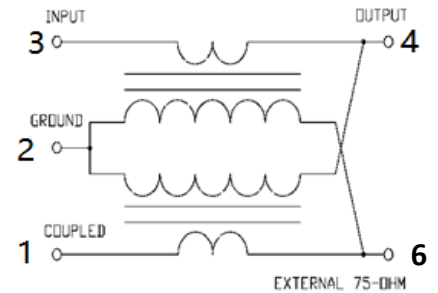
Unless otherwise stated dimensions are in mm

Tolerance: .xx ±0.25, .xxx ±0.05

### ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			75		Ohm
Coupling	5 - 870 MHz	19.2	20.2	20.8	dB
	870 - 1002 MHz	19.1	19.4	20.8	dB
	1002 - 1200 MHz	18.4	19.2	20.8	dB
Main Line Loss	5 - 50 MHz		0.42	0.7	dB
	50 - 870 MHz		0.45	0.65	dB
	870 - 1002 MHz		0.6	0.7	dB
	1002 - 1200 MHz		0.65	0.85	dB
Input Return Loss	5 - 1002 MHz	19	27		dB
	1002 - 1200 MHz	16	19		dB
Output Return Loss	5 - 1002 MHz	20	30		dB
	1002 - 1200 MHz	17	20		dB
Coupled Return Loss	5 - 1002 MHz	17	28		dB
	1002 - 1200 MHz	15	17		dB
Directivity	5 - 200 MHz	20	25		dB
	200 - 870 MHz	10	16		dB
	870 - 1002 MHz	8	11		dB
	1002 - 1200 MHz	7	10		dB

### FUNCTIONAL SCHEMATIC



### PIN CONFIGURATION

Pin No.	Function
1	Coupled
2	Ground
3	Input
4	Output
6	External 75 Ohm

### ABSOLUTE MAXIMUM RATINGS

Parameter	Value
RF Power	250 mW Max
DC Current	200mA Max
Operating Temperature Range	-40 to 85°C
Storage Temperature	-55 to 125°C

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## TEST CURVE

