

# H3-MABA-010247-2R1250

1-1600MHz 50Ω 1:2 Ratio

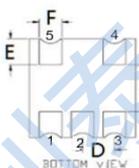
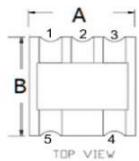
## APPLICATIONS

Ideally suited for high volume cellular and wireless application.

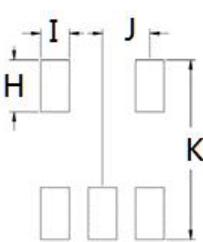
## FEATURES

- Surface mount
- Impedance ratio: 1:2
- Available on tape and reel
- RoHS compliant and Pb free
- 260°C reflow compatible

## DIMENSIONS



## Land Pattern



A	B	C	D	H	I	J
4.21	4.21	2.70	1.27	1.40	0.76	1.27
E	F	G		K		
1.11	0.90	2.00		4.83		

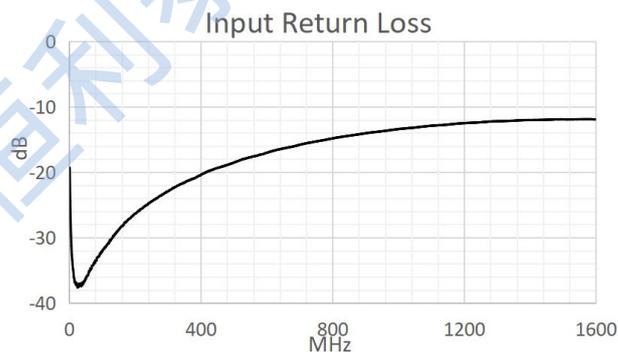
Unless otherwise stated dimensions are in mm

Tolerance: .xx ± 0.25, .xxx ± 0.05

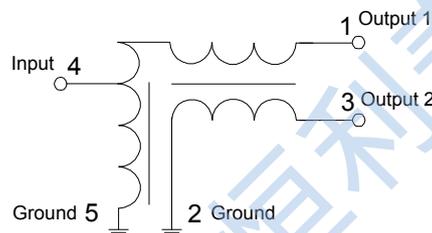
## ELECTRICAL SPECIFICATIONS@25°C:

Parameters (P#: ENA PORT)	frequency band	Min.	Typ.	Max.	Unit
Port Impedance, Z0			50		Ohm
Impedance Ratio(Sec/Pri)			2		
Insertion Loss	1-750MHz		1.0		dB
	750-1250MHz		1.5	2.5	dB
	1250-1600MHz		2.1	4.0	dB
Amplitude UnBalance	1-1600MHz		1.1	±1.4	dB
Phase UnBalance	1-1600MHz		7	±10	°
Input Return Loss	1-500MHz	20	17.0		dB
	500-1600MHz	10	13.0		dB

## TEST CURVE



## FUNCTIONAL SCHEMATIC



## PIN CONFIGURATION

Pin No.	Function
1	Secondary
2	Ground
3	Secondary Dot
4	Primary Dot (Input)
5	Primary (Ground)

## ABSOLUTE MAXIMUM RATINGS

Parameter	Value
Input Power	250mW MAX
DC Current	50mA MAX
Operating Temperature Range	-40°C to +85°C
Storage Temperature	-55°C to +125°C

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TEST CURVE

