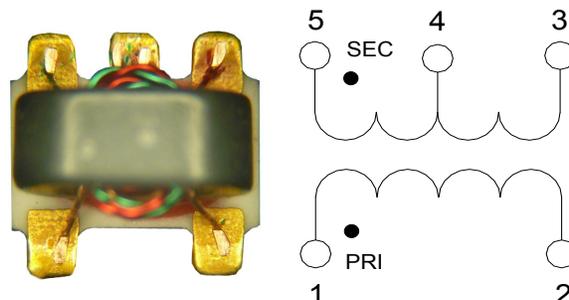


Features

- Surface mount
- Wide frequency range
- 1:4 Impedance Ratio
- CT on Secondary
- Lead Free
- RoHS* Compliant and is 2600C reflow compatible.
- Available on Tape and Reel, reel quantity 2000

Schematic



Pin Configuration

Pin #	Function	Pin #	Function
1	Primary Dot	4	Secondary CT
2	Primary	5	Secondary Dot
3	Secondary		

Electrical Specifications: RF Freq. = 1 - 350 MHz, $T_A = +25^\circ\text{C}$, $P_{IN} = 0 \text{ dBm}$

Parameter	Test Conditions & Frequency	Units	Min.	Typ.	Max.	
Insertion Loss	FL - fU	dB	—	—	1.0	
	5 - 100 MHz					2.0
	2 - 300 MHz					3.0
Amplitude Unbalance	5 - 100 MHz	dB	—	—	0.1	
	1 - 350 MHz				0.5	
Phase Unbalance	5 - 100 MHz	Degrees	—	—	1.0	
	1 - 350 MHz				5.0	

Ordering Information

Part Number	Description
MABA-007237-ETC410	2000 piece reel

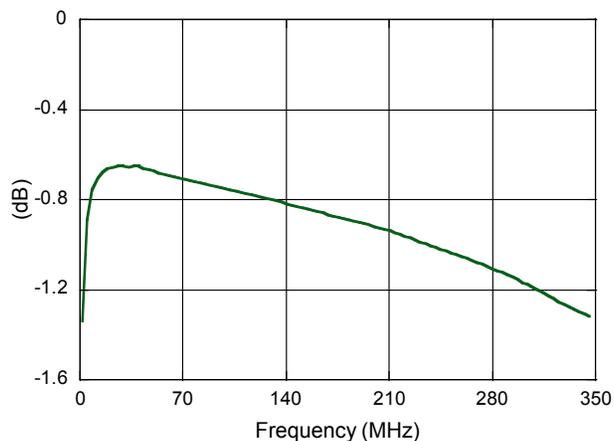
Recommended Maximum Ratings^{1,2}

Parameter	Absolute Maximum
DC Power	250 mW
DC Current	30 mA
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +125°C

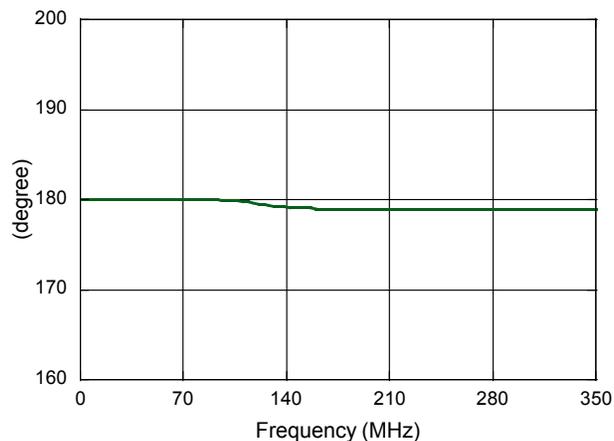
1. Exceeding any one or combination of these limits may cause permanent damage to this device.
2. MACOM does not recommend sustained operation near these survivability limits.

Typical Performance Curves

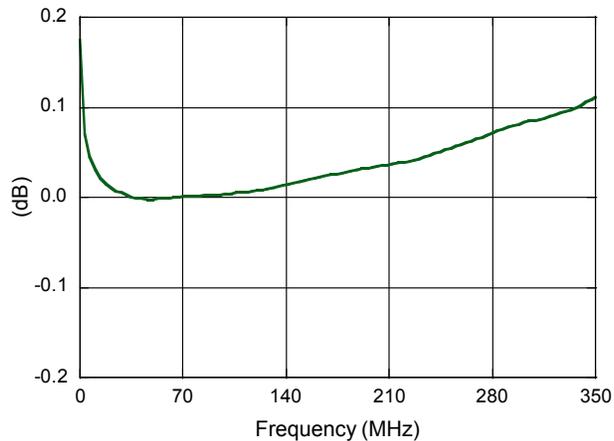
Insertion Loss



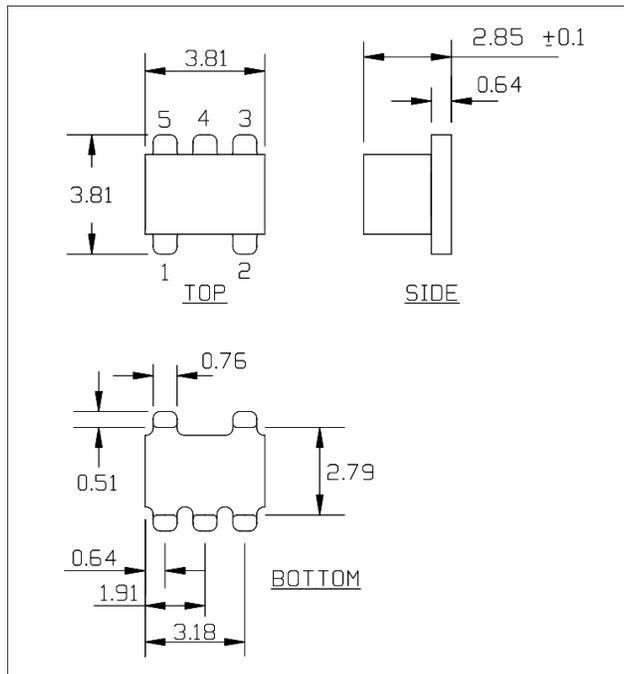
Phase Balance



Amplitude Balance

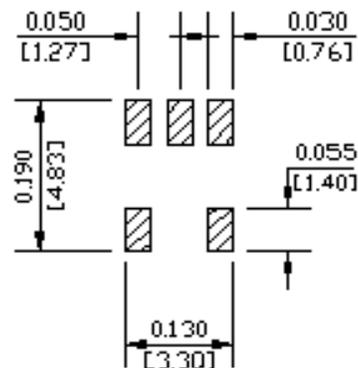


Outline Drawing



1. Dimensions in mm.
2. Tolerance: ±0.2 mm unless otherwise noted.
3. Model number and lot code printed on reel.

Recommended Footprint



Tape & Reel Information

Parameter	Units	Value
Qty per reel	-	2000
Reel size	mm	330
Tape width (W)	mm	12.0
Pitch (P ₁)	mm	12.0
Orientation	-	F5
Reference Application Note ANI-019 for orientation		

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