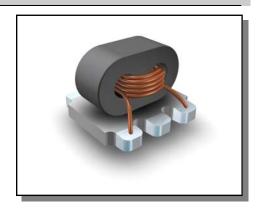


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#### **Features**

- Surface Mount
- 4:1 Impedance Ratio
- RoHS\* Compliant, lead free
- CT on Secondary
- Available on Tape and Reel



## **Electrical Specifications @25°C**

Parameter	Units	Nominal	Maximum	Mean (x)	Sigma (σ)
Frequency Range 500 - 3000	MHz	_	_	İ	
Insertion Loss (f <sub>L</sub> - f <sub>U</sub> ) 500 - 750 MHz 750 - 1200 MHz 1200 - 3000 MHz	dB dB dB	_ _ _	3.0 1.0 3.0	 0.22 	 0.159 

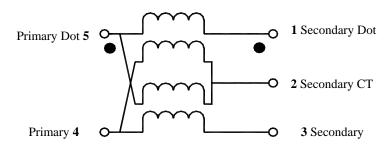
Note: Mean and Sigma calculated from average loss at @  $(f_U - f_L)/2 + f_L$ 

Please Note that the photograph above indicates package only, not actual unit.

## **Pin Configuration**

Pin No.	Function
1	Secondary Dot
2	Secondary CT
3	Secondary
4	Primary
5	Primary Dot

#### **Schematic**



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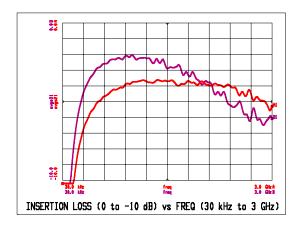


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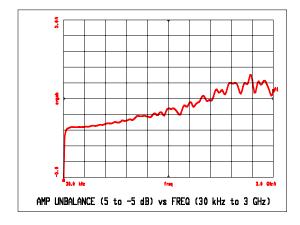
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# **Typical Performance Over Extended Bandwidth (30kHz - 3.0GHz)**

#### **Insertion Loss**



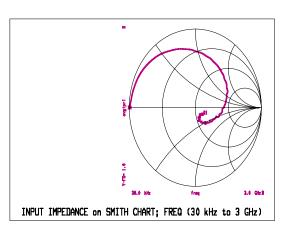
#### **Amplitude Unbalance**



#### **Phase Unbalance**



#### Input Impedance



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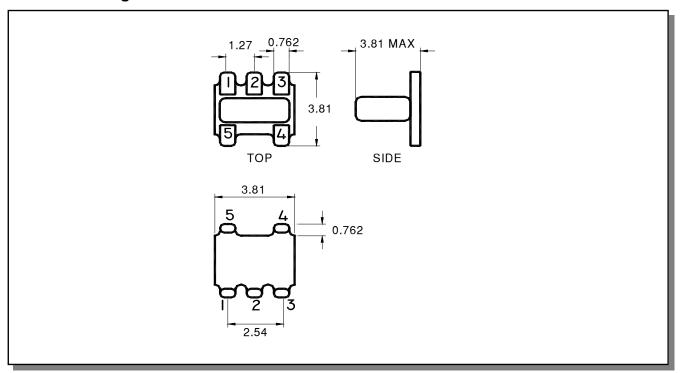
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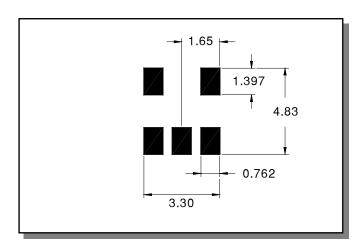
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## **Outline Drawing**



- 1. Dimensions in mm.
- 2. Tolerance: ±0.2mm unless otherwise noted.
- 3. Model number and lot code are printed on the reel.
- 4. Termination plating is Au.

## **Recommended Footprint**



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### **Tape & Reel Information**

Parameter	Units	Value	
Qty per reel	-	2000	
Reel Size	mm	330	
Tape Width	mm	12.00	
Pitch	mm	8.00	
Ao	mm	4.39	
Во	mm	4.35	
Ko	mm	3.67	
Reference Application Note ANI-019 for orientation			

# **Ordering Information**

Part Number	Description	
ETC1.6-4-2-3	2000 piece reel	
ETC1.6-4-2-3TB	Customer Test Board	

## **Recommended Maximum Ratings**

Parameter	Value		
RF power	250mW		
DC current	30mA		
Operating Temperature	-30°C to +85°C		
Storage Temperature	-30°C to +85°C		

# **ECO History**

Rev	Date	Description	Ву
V2	13 May 2010	Corrected the dimensions on case style drawing and changed to the new format	СВ

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and/or prototype measurements. Commitment to develop is not guaranteed.

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