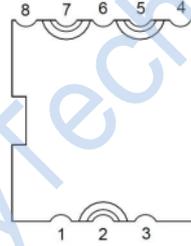
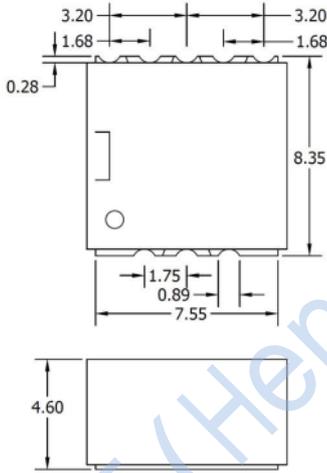




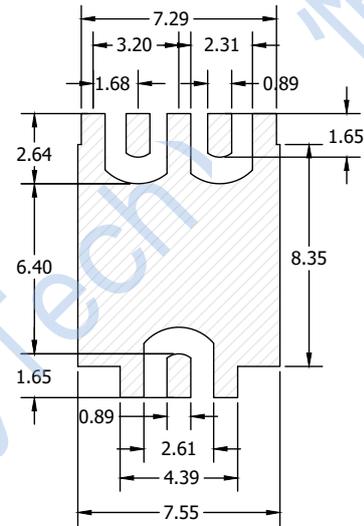
500KHz-6000Mhz 50Ω 1:2Ratio Transformer

HT-BAL-0006SMG

Mechanical Dimensions:



Recommended Footprint:



Ports Configuration:

Input	2
0° Output	5
180° Output	7
Ground	Other

Electrical Specifications

Specifications guaranteed from -55 to +100°C, measured in a 50Ω system.

Parameter	Frequency Range	Min	Typ	Max	
Nominal Insertion Loss (dB)	500 kHz to 6 GHz		6		
Nominal Phase Shift (Degrees)			180		
Amplitude Balance (dB)			±0.4	±1.2	
Phase Balance (Degrees)			±3	±10	
Common Mode Rejection (dB)			20	30	
Excess Insertion Loss (dB) <sup>1</sup>				1	2.5
Isolation (dB)				8	
VSWR				1.5	
Total Input Power (W)					1
Risetime /Falltime (ps) <sup>2</sup>				17	

<sup>1</sup>Excess Insertion Loss = (Common Port to Output Port Insertion Loss) – 6 dB.

<sup>2</sup>Specified as 90%/10%. Calculated from  $\tau_{balun}^2 = (\tau_{out}^2 - \tau_{in}^2)$

Ordering Information:

Part Description	Details
HT-BAL-0006SMG	800 per reel



500KHz-6000MHz 50Ω 1:2Ratio Transformer

HT-BAL-0006SMG

Typical Performance Curves:

