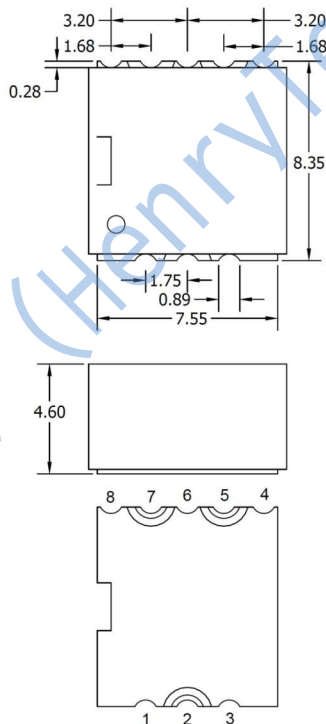




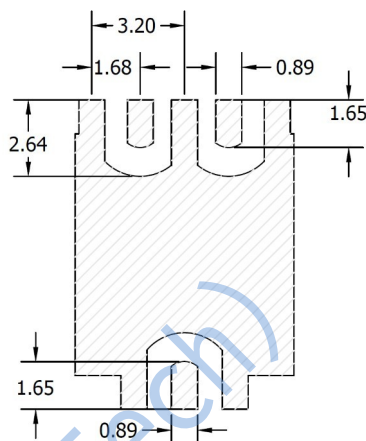
500KHz-6000Mhz 50Ω 1:2 Transformer

HT-BAL-0006SMG

Mechanical Dimensions:



Recommended Footprint:



Ports Configuration:

Input	2
0°Output	5
180°Output	7

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) ¹			1	2.5
Isolation (dB)			8	
VSWR			1.5	
Total Input Power (W)				1
Risetime /Falltime (ps) ²			17	

¹Excess Insertion Loss = (Common Port to Output Port Insertion Loss) - 6 dB.

²Specified 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

Tel: +86-28-85589664

E-mail: mr_li@henglitaitech.com

Web: www.hltchips.com

Room 1401, 14th Floor, Building 5, Huaxi Science and Technology Innovation Center, No. 50, Shuixi Road, Jinniu District, Chengdu City



500KHz-6000Mhz 50Ω 1:2 Transformer

HT-BAL-0006SMG

Typical Performance Curves:

