

# High Frequency SMD Balun



## Data Sheet

North Hills video balun transformers provide an easy and straightforward means of connecting a balanced signal to a unbalanced signal. The baluns can be used in SMPTE 292M and 424M video networks.

The baluns match impedance in either direction and are precision-engineered for low insertion and excellent return loss and have a wide bandwidth extending from 1 MHz to 2 GHz



### Features:

- Operating performance over full temperature range
- Withstands 245°C peak solder reflow profile

### Benefits:

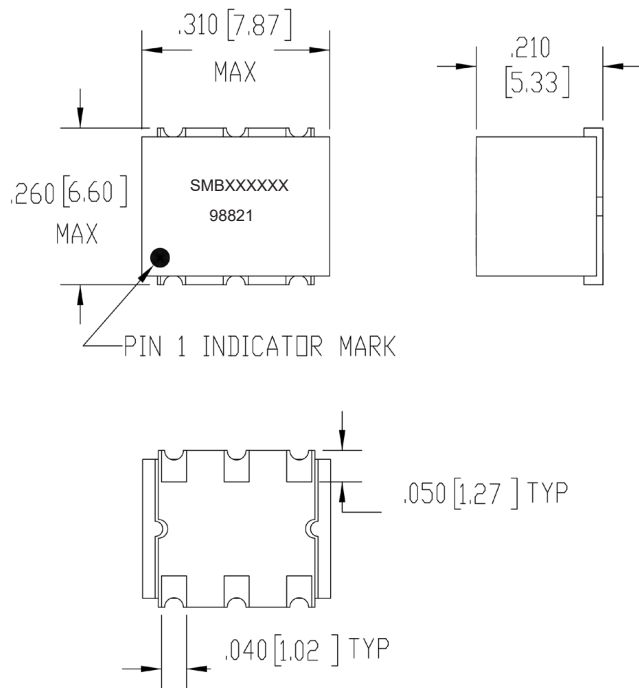
- Operating / Storage Temperature -55°C to +125°C
- Space Rated Capable

For more information: [www.BTTC-Beta.com/HFSMD](http://www.BTTC-Beta.com/HFSMD)

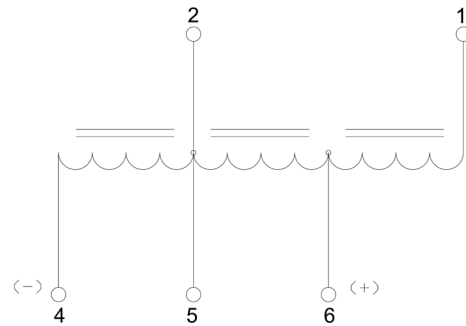


# Technical Drawings

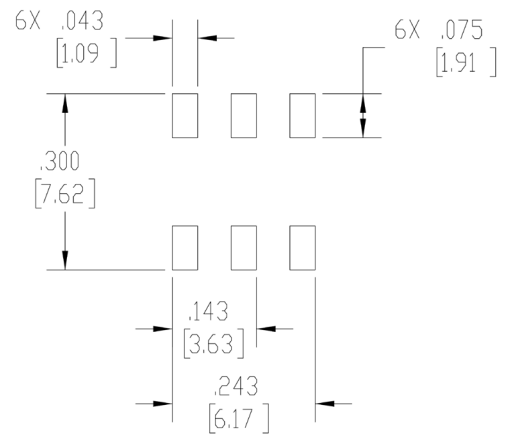
## Mechanical Drawing



## Schematic



## Suggested Pad Layout



## Specifications

Electrical Specifications @ 25°C					
Part #	Impedance		Insertion Loss 1.5 MHz- 1.5 Ghz	Return Loss 1.5 MHz- 1.5 Ghz	Bandwidth (3dB)
	Balanced	Unbalanced			
SMB050150	150 Ω	50 Ω			
SMB050100	100 Ω	50 Ω			
SMB050078	78 Ω	50 Ω			
SMB075100	100 Ω	50 Ω	2 dB Max	12 dB Min	1 MHz - 12 GHz

Mechanical Specifications	
Parameter	Value
Weight	0.81 grams
Tape & Reel Qty	100
Tube Qty	25
MSL	4
Max Reflow	245°C



For ordering assistance and technical support,

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