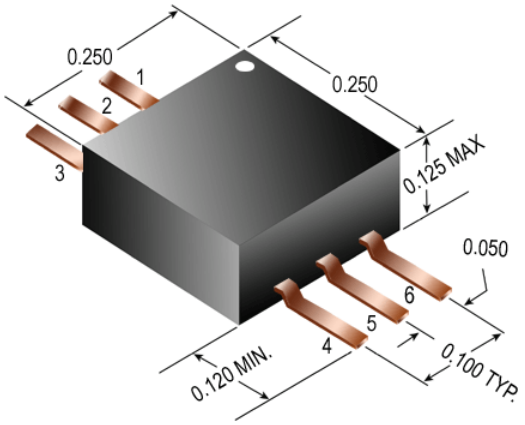
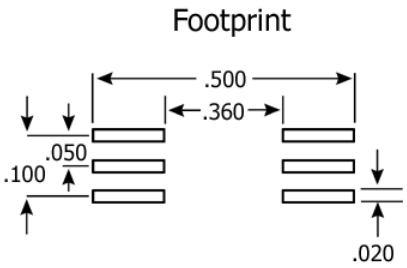
SMWB Series MIL-STD-981, MIL-T-55631

Wideband RF Transformer



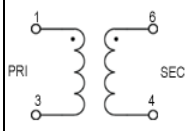
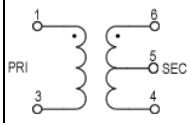
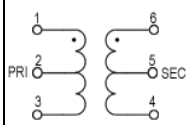


FEATURES

- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Custom Designs: Other electrical configurations and performance characteristics are available in various sizes and package types

SPECIFICATIONS

- Frequency Response: 500 kHz to 350 MHz
- Power Rating: 250 mW
- Operating Temperature Range: -55°C to 125°C
- Temperature Rise (at 90°C): 35°C
- Dielectric Withstanding Voltage: 300 VAC
- Moisture, Shock, and Immersion Resistant
- Terminals meets solderability per MIL-STD-202, Method 208
- Welded Connections, Transfer Molded Package
- Outgassing meets NASA spec SP-R-0022A: TML < 1%
- Meets the requirements of MIL-T-55631 and MIL-STD-981, class **S** or class **B**
  Class **S** parts are intended for critical flight and mission-essential ground support applications and any application that is critical to safety.
  Class **B** parts are for use in non-flight and non-mission-essential ground support applications.

Configuration	Part Number	Impedance Ratio Pri : Sec	Max Insertion Loss @50 MHz (dB)	Max VSWR @50 MHz	Min Bandwidth (MHz)	
					0.5 db (Ripple)	3 dB Points
SMWB1000 Series						
	SMWB1010	1 : 1	0.9	1.35	7.0 - 100	1.2 - 350
	SMWB1015	1 : 1.5	1.7	1.65	8.0 - 70	4.0 - 170
	SMWB1020	1: 2	1.3	1.40	3.0 - 85	0.9 - 200
	SMWB1040	1: 4	1.1	1.25	4.0 - 130	1.0 - 250
	SMWB1016	1 : 16	1.5*	1.95*	12 - 25	2.5 - 110
SMWB2000 Series						
	SMWB2010	1 : 1	0.7	1.30	5.0 - 130	1.0 - 390
	SMWB2015	1 : 1.5	1.5	1.60	6.0 - 90	3.0 - 200
	SMWB2020	1: 2	1.1	1.35	2.0 - 100	0.5 - 230
	SMWB2040	1: 4	0.9	1.20	2.0 - 150	0.8 - 300
	SMWB2016	1 : 16	1.2*	1.70*	12 - 35	2.0 - 140
SMWB3000 Series						
	SMWB3010	1 : 1	0.7	1.30	5.0 - 130	1.0 - 390
	SMWB3015	1 : 1.5	1.5	1.60	6.0 - 90	3.0 - 200
	SMWB3020	1: 2	1.1	1.35	2.0 - 100	0.5 - 230
	SMWB3040	1: 4	0.9	1.20	2.0 - 150	0.8 - 300
	SMWB3016	1 : 16	1.2*	1.70*	12 - 35	2.0 - 140
*Measured at 15 MHz						

Part or Identifying Number (PIN):
SMWBxxxxS: MIL-STD-981, Class S
SMWBxxxxB: MIL-STD-981, Class B

Coast / Advanced Chip Magnetics
4225 Spencer Street, Torrance CA 90503 · Phone 310-370-8188 · Fax 310-370-8388
Web: www.coastacm.com · Email: sales@coastacm.com