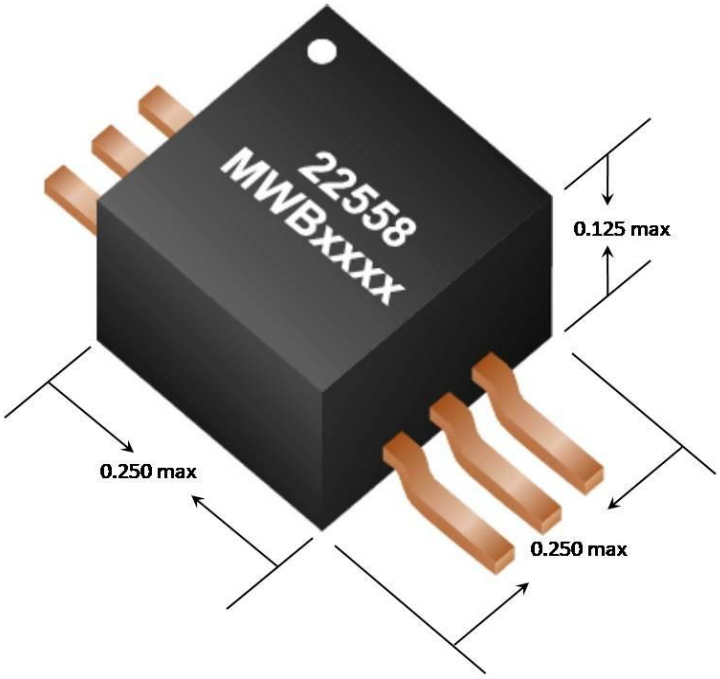
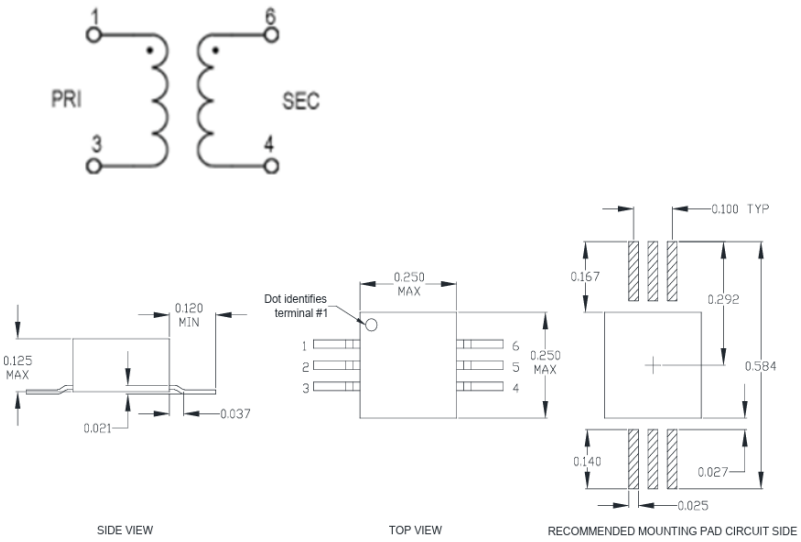
Wideband Transformers – MWB1000 Series





SPECIFICATIONS

- **Frequency Response**: 500 kHz to 350 MHz
- **Power Rating**: 250 mW
- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Standard Termination Finish:** Tin-lead
- **Weight:** 1.25 gram, maximum
- **Dielectric Withstanding Voltage:** 300 Vac
- **Glass Transition Temperature (T_g):** 165°C
- **Coefficient of Thermal Expansion (CTE):**

Before T_g	18 ppm/°C
After T_g	54 ppm/°C

FEATURES

- Transfer Molded Package
- Marking: Laser or Ink
- Leadless device for minimum footprint
- Internal Welded Terminations
- 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 type
- Available for Space Application per MIL-STD-981 (see SMWB Series)

APPLICATIONS

Designed to meet the requirements of MIL-PRF-27, ensuring optimal performance in military-grade applications

This specification pertains to molded, shielded electrical connectors and accessories, emphasizing reliability and robustness. Ideal for aerospace and defense applications, these inductors offer both durability and precision.

PART IDENTIFYING NUMBER

MWB001

Coast/ACM Part Number

K: Inductance Tolerance

M: ±20% K: ±10% J: ±5%

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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
MWB1000 Series					
MWB1010	1 : 1	0.9	1.35	7.0 - 100	1.2 - 350
MWB1015	1 : 1.5	1.7	1.65	8.0 - 70	4.0 - 170
MWB1020	1 : 2	1.3	1.40	3.0 - 85	0.9 - 200
MWB1040	1 : 4	1.1	1.25	4.0 - 130	1.0 - 250
MWB1016	1 :16	1.5*	1.95*	12 - 25	2.5 - 110
*Measured at 15 MHz					