



SUWB SERIES

UHF WIDEBAND TRANSFORMER



ALL PARTS AVAILABLE AS CLASS S OR CLASS B

MIL-STD-981

Bandwidth (MHz)	Max Insertion Loss	Impedance Ratio	Max VSWR
1 to 1750	< 1 dB	1:1	1.60:1

MARKINGS: LASER OR INK

ALL DIMENSIONS: INCHES

ELECTRICAL SPECIFICATIONS

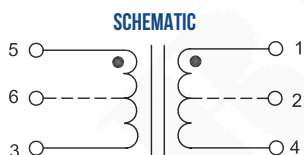
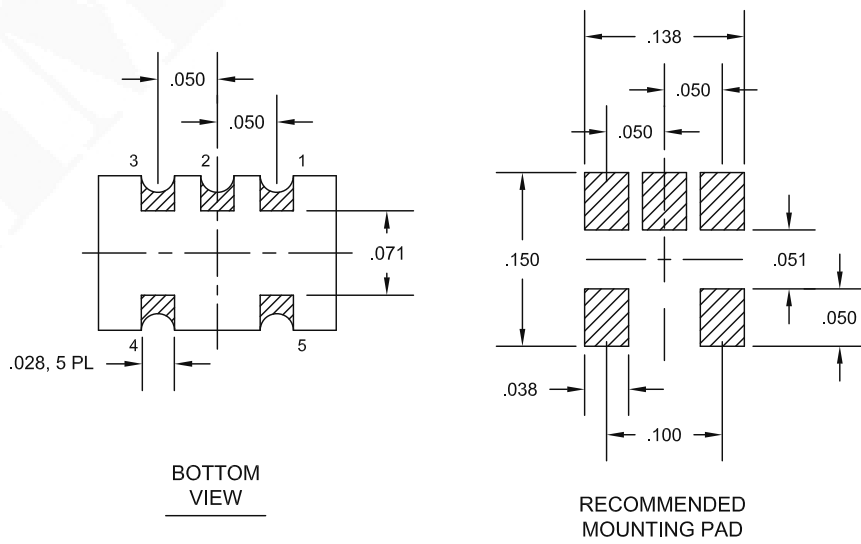
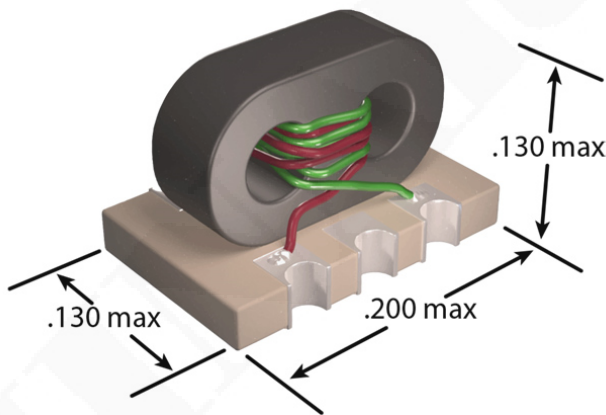
- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Dielectric Withstanding Voltage:** 250 V_{AC}
- **Different electrical values available upon request**
- **Power Rating:** 250 mW
- **Extremely low insertion loss & excellent input return loss over widened bandwidth range**
- **Outgassing compliant per ASTM E595** (TML <1%, CVCM <0.1%)

FEATURES

- **Compact**, low profile, ideal for automatic placement
- Built to meet **MIL-STD-981** specifications
- **Terminations:** Tin-lead, Gold
- **Moisture, Shock and Immersion Resistant**
- **Resistance to Soldering Heat:** 265°C for 10 secs
- **Tape and Reel Packaging Available**

APPLICATIONS

- Wideband Transformers
- RF Transformers
- GPS
- Satellite Links
- Wireless Communication
- Analog to Digital Converters
- Signal Integrity
- Broadband Applications
- Balanced Receivers



CUSTOM DESIGNS & MODIFICATIONS:

Other electrical configurations and performance characteristics are available in various sizes and package types



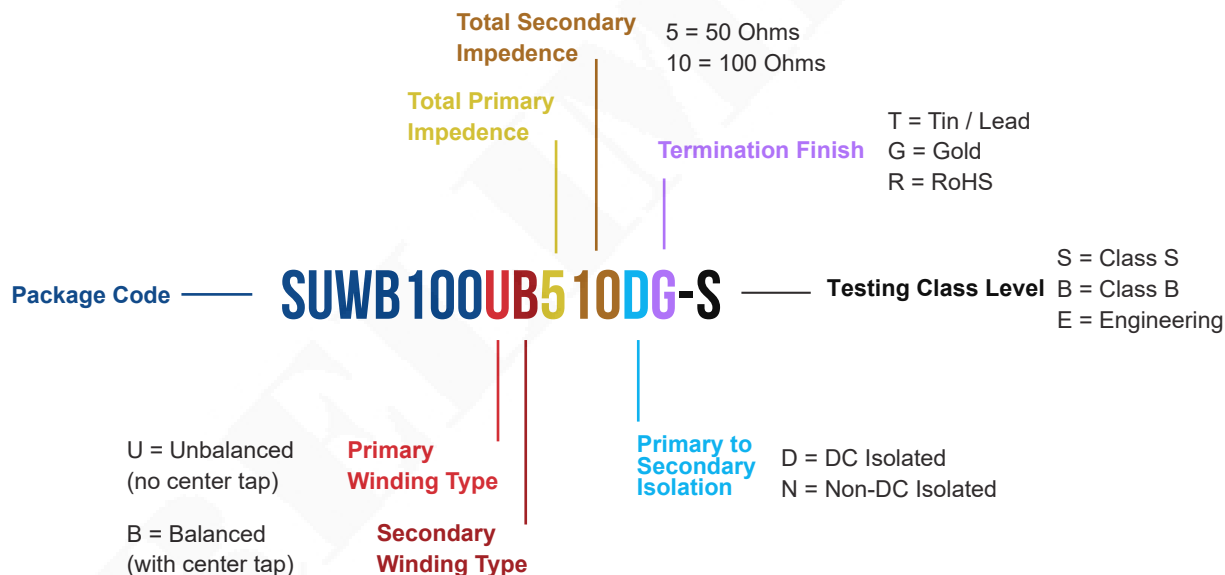


DATA TABLE

Vanguard P/N	Bandwidth (MHz)	Impedance Ratio Pri:Sec (Ohms)	Pri. and/or Sec. Center Tap	Insertion Loss max (dB)	VSWR max
SUWB100	1 - 1000	50 : 50	Avail. upon req.	< 0.5	1.60
SUWB200	1000 - 1500	50 : 50	Avail. upon req.	< 1	1.25
SUWB300	1 - 1750	50 : 50	Avail. upon req.	< 1	1.60

1/ Electrical measurements taken at room temperature via soldered connection.

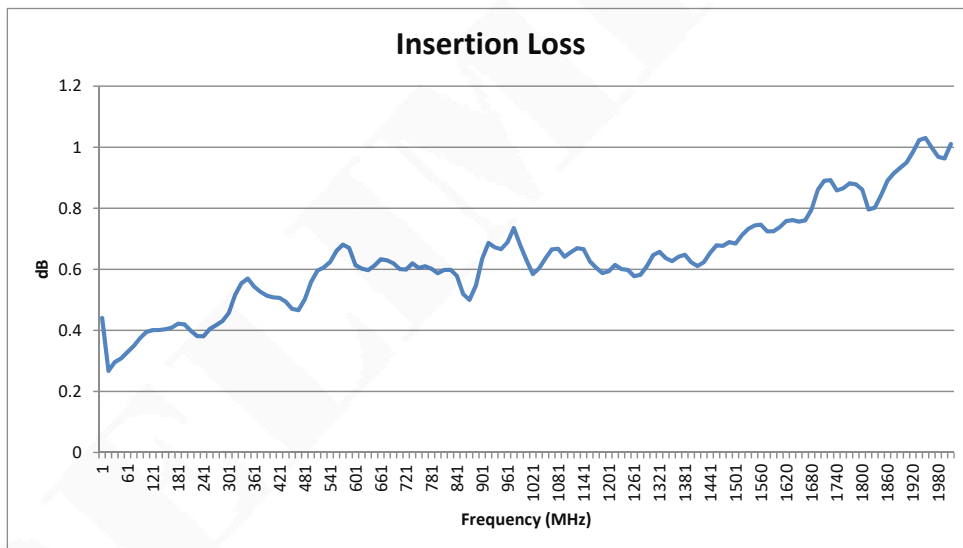
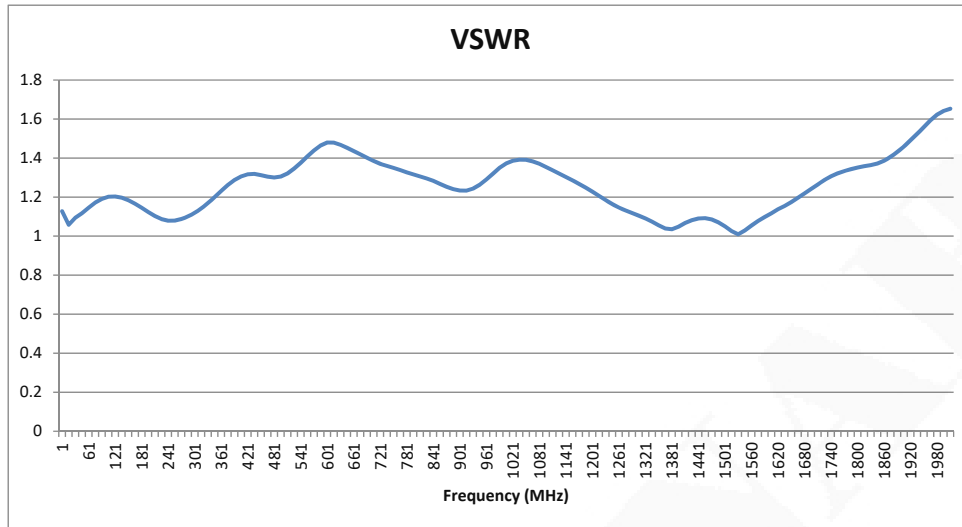
PART NUMBER



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*Data recorded at 25°C. Soldered results are expected to perform with lower losses than depicted in graph above.

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