



## 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 2750	< 3 dB	1:1	1.40

MARKINGS: LASER OR INK

ALL DIMENSIONS: INCHES

### ELECTRICAL SPECIFICATIONS

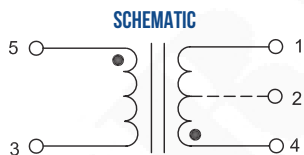
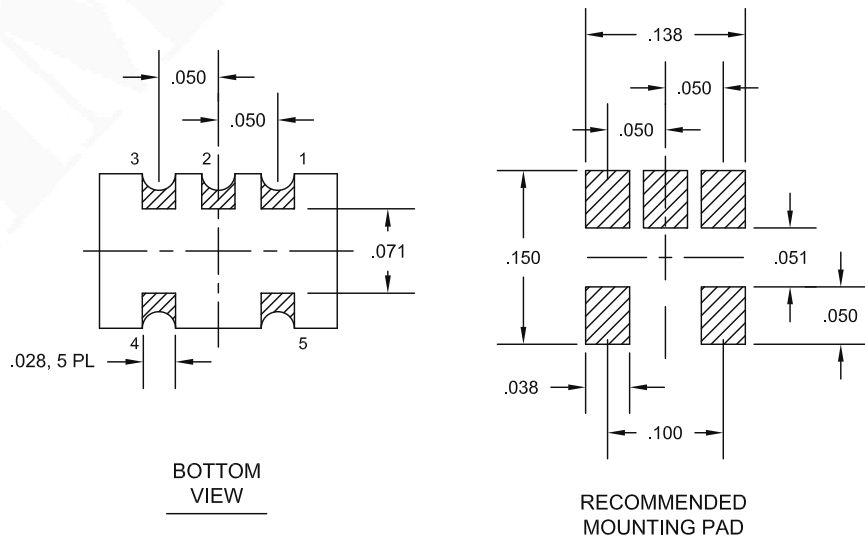
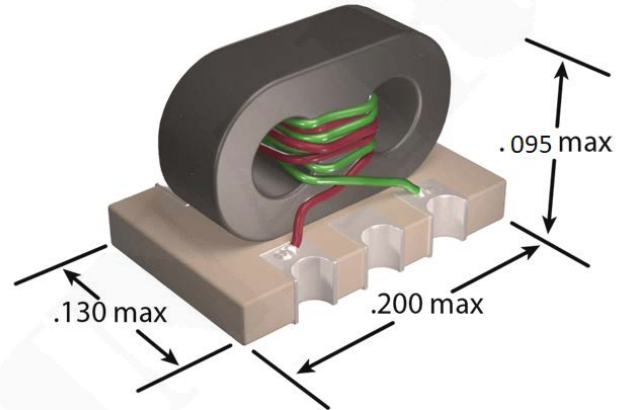
- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Dielectric Withstanding Voltage:** 250 V<sub>AC</sub>
- **Different electrical values available upon request**
- **Power Rating:** 250 mW
- **Extremely low insertion loss & excellent input return loss over widened 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
- **Vibration and Shock 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



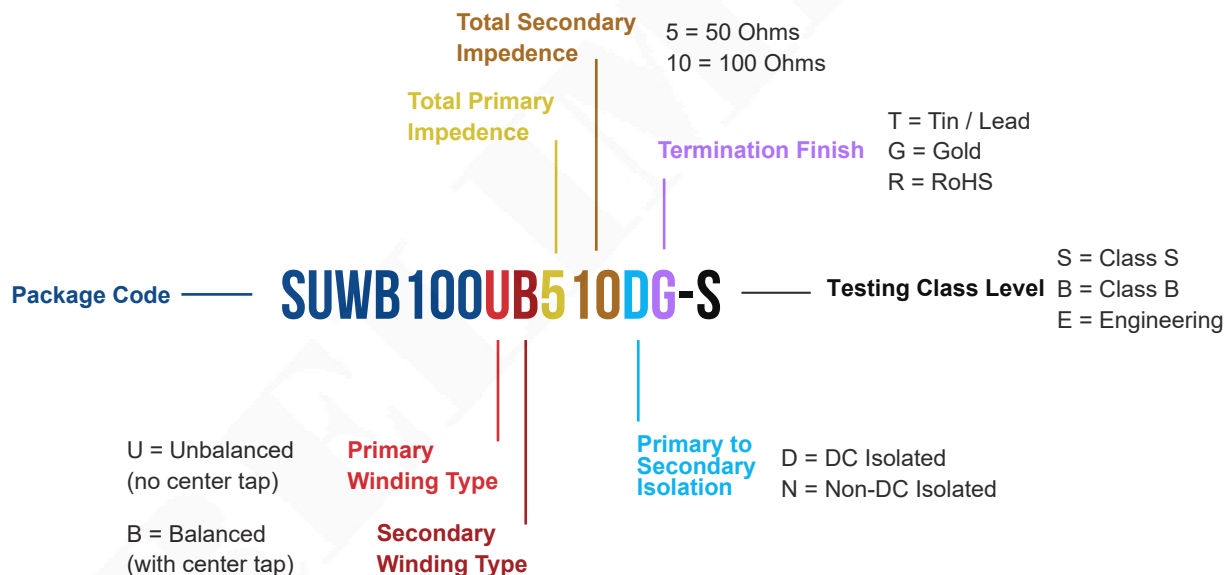


## DATA TABLE

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	1.40
SUWB200	1000 - 1500	50 : 50	Avail. upon req.	< 0.75	1.25
SUWB300	10 - 2000	50 : 50	Avail. upon req.	< 1	1.40
SUWB400	1500 - 2750	50 : 50	Avail. upon req.	< 3	1.20
SUWB500	10 - 2750	50 : 50	Avail. upon req.	< 3	1.40

1/ Electrical measurements recorded at room temperature.

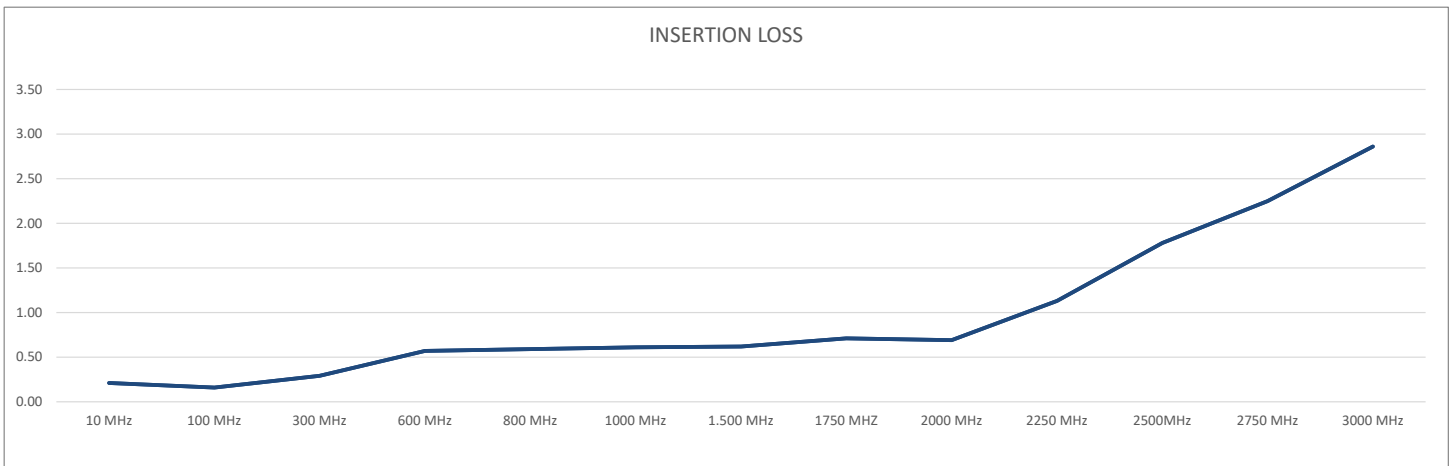
## PART NUMBER



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\*Data recorded at 25°C.

PIN OUT CHART	
PIN #	FUNCTION
1	Output
2	N/C
3	Ground
4	Ground
5	Input

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