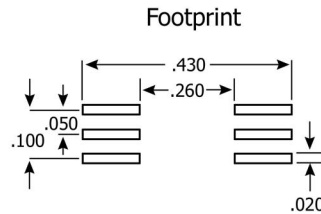
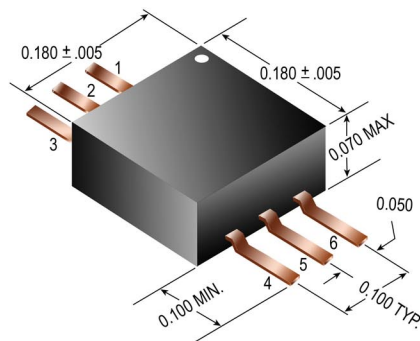


# SWB Series

Wideband RF Transformers

2 MHz to 300 MHz – 100 mW



Configuration	Part Number	Impedance Ratio Pri : Sec	Max. Insertion Loss (dB) @50MHz	Max. VSWR @50MHz	Min Bandwidth (MHz)	
					0.5 dB (Ripple)	3 dB Points
	SWB 1010	1 : 1	1.0	1.40	8.0 - 90	1.5 - 300
	SWB 1015	1 : 1.5	1.8	1.80	9.0 - 60	6.0 - 130
	SWB 1020	1 : 2	1.4	1.50	15 - 80	1.5 - 250
	SWB 1040	1 : 4	1.2	1.35	8.0 - 125	1.3 - 210
	SWB 1016	1 : 16	1.6*	2.10*	16 - 25	3.0 - 100
	SWB 2010	1 : 1	0.8	1.35	6.0 - 120	1.5 - 360
	SWB 2015	1 : 1.5	1.6	1.80	7.0 - 80	4.0 - 180
	SWB 2020	1 : 2	1.2	1.40	12 - 85	1.2 - 200
	SWB 2040	1 : 4	1.0	1.30	7.0 - 130	0.9 - 270
	SWB 2016	1 : 16	1.3*	2.0*	14 - 30	3.0 - 125
	SWB 3010	1 : 1	1.0	1.40	8.0 - 90	1.5 - 300
	SWB 3015	1 : 1.5	1.8	1.80	9.0 - 60	6.0 - 130
	SWB 3020	1 : 2	1.4	1.50	15 - 80	1.5 - 250
	SWB 3040	1 : 4	1.2	1.35	8.0 - 125	1.3 - 210
	SWB 3016	1 : 16	1.6*	2.10*	16 - 25	3.0 - 100

\* Measured at 15 MHz

## CHARACTERISTICS

- **Frequency Response:** 2 MHz to 300 MHz
- **Power Rating:** 100 mW
- **Dielectric Withstanding Voltage:** 300 VAC
- **Operating Temperature Range:** -55 °C to +125 °C
- **Temperature Rise:** 35 °C Max. @ 90 °C ambient
- **Terminations Finish:** Tin-Lead coated
- **Optional Terminations:** Gold plated terminations on request, add suffix "G" to part number when ordering.
- **Altitude:** 70,000 feet or more (1.31 in Hg or less)
- **Resistance to Soldering Heat:** 275 °C for 10 secs
- **Space Application:** Available to MIL-STD-981
- **Outgassing:** TML < 1%

## FEATURES

- Compact, low profile package, ideal for automatic placement.
- Built to meet Mil-T-55631 specifications.
- Low thermal expansion permits mounting on most substrate materials.
- Welded internal connections, transfer molded package.



COAST / ADVANCED CHIP MAGNETICS

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