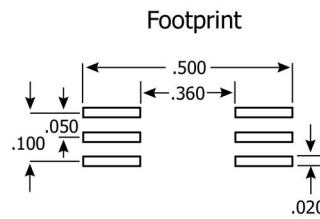
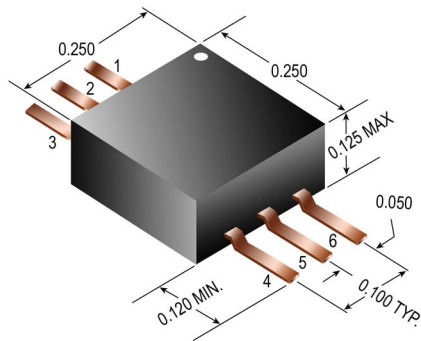


MWB Series

Wideband RF Transformers

500 KHz to 350 MHz – 250 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
	MWB 1010	1 : 1	0.9	1.35	7.0 - 100	1.2 - 350
	MWB 1015	1 : 1.5	1.7	1.65	8.0 - 70	4.0 - 170
	MWB 1020	1 : 2	1.3	1.4	3.0 - 85	0.9 - 200
	MWB 1040	1 : 4	1.1	1.25	4.0 - 130	1.0 - 250
	MWB 1016	1 : 16	1.5*	1.95*	12 - 25	2.5 - 110
	MWB 2010	1 : 1	0.7	1.3	5.0 - 130	1.0 - 390
	MWB 2015	1 : 1.5	1.5	1.6	6.0 - 90	3.0 - 200
	MWB 2020	1 : 2	1.1	1.35	2.0 - 100	0.5 - 230
	MWB 2040	1 : 4	0.9	1.2	2.0 - 150	0.8 - 300
	MWB 2016	1 : 16	1.2*	1.7*	12 - 35	2.0 - 140
	MWB 3010	1 : 1	0.7	1.3	5.0 - 130	1.0 - 390
	MWB 3015	1 : 1.5	1.5	1.6	6.0 - 90	3.0 - 200
	MWB 3020	1 : 2	1.1	1.35	2.0 - 100	0.5 - 230
	MWB 3040	1 : 4	0.9	1.2	2.0 - 150	0.8 - 300
	MWB 3016	1 : 16	1.2*	1.7*	12 - 35	2.0 - 140

* Measured at 15 MHz

CHARACTERISTICS

- **Frequency Response:** 500 KHz to 350 MHz
- **Power Rating:** 250 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

4225 Spencer Street, Torrance CA 90503 • Phone: 310-370-8188 • Fax: 310-370-8388
 Web: <http://www.coastacm.com> • Email: sales@coastacm.com