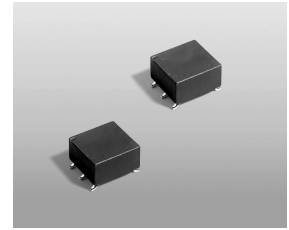
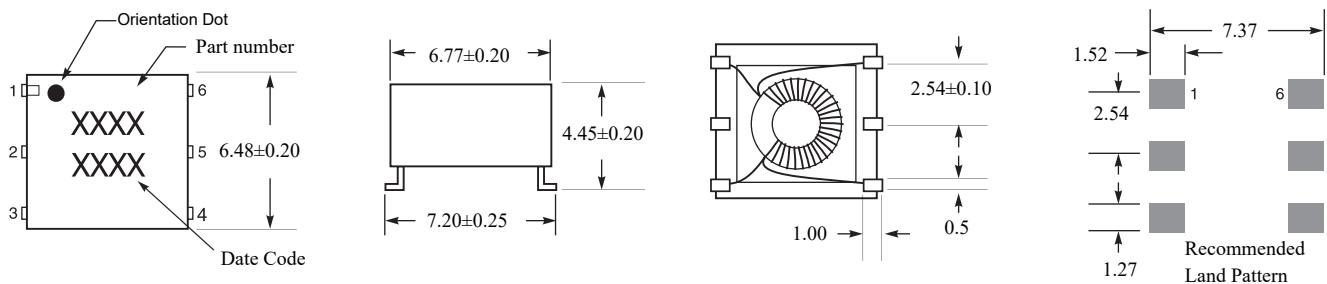


RF Transformers Features

- Cost effective surface mount wideband transformers
- 300 V interwinding isolation, 1/4 Watt RF input power
- 250 mA max current rating.
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -40°C to +80°C



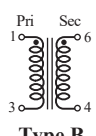
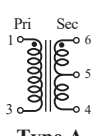
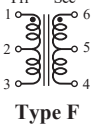
RF Transformers Dimensions & Configurations (Unit mm)



Typical Frequency Response

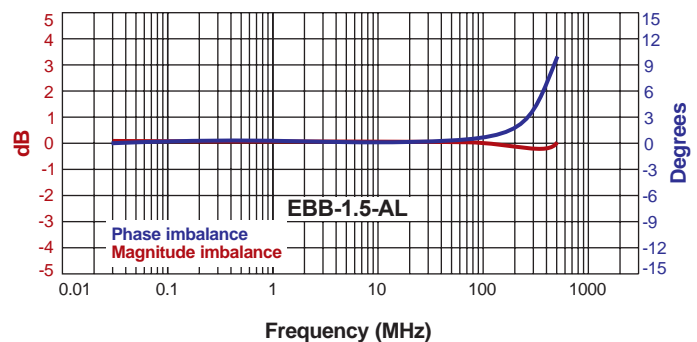
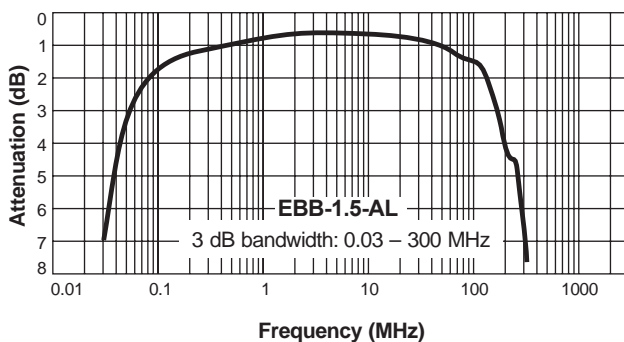
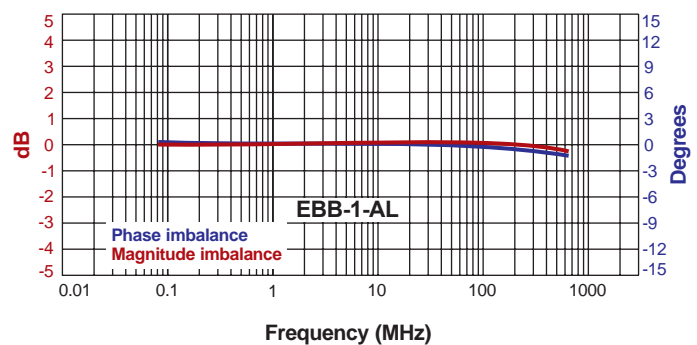
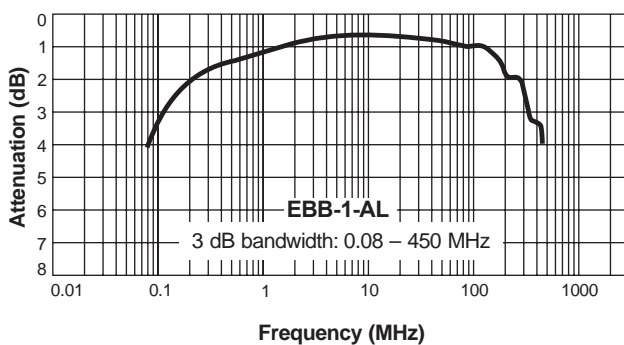
Part number	3 dB (MHz)	2 dB (MHz)	1 dB (MHz)
EBB-1-AL	0.08 – 450	0.13 – 325	0.30 – 190
EBB-1.5-AL	0.03 – 300	0.035 – 250	0.06 – 150
EBB-2-AL	0.05 – 200	0.06 – 160	0.10 – 100
EBB-4-AL	0.15 – 500	0.24 – 300	0.60 – 140
EBB-16-AL	0.05 – 80	0.06 – 75	0.11 – 30
EBB1010L	0.0035 – 125	0.0045 – 100	0.007 – 80
EBB1010-1L	0.03 – 250	0.04 – 225	0.06 – 200
EBB1015L	0.07 – 225	0.10 – 200	0.20 – 125
EBB1040L	0.15 – 400	0.25 – 350	0.80 – 250
EBA-1-BL	0.13 – 425	0.18 – 325	0.32 – 190
EBA-1.5-BL	0.50 – 250	0.80 – 175	1.50 – 120
EBA-2-BL	0.20 – 400	0.225 – 275	0.50 – 150
EBA-4-BL	0.14 – 700	0.20 – 400	0.40 – 150
EBA-16-BL	0.075 – 90	0.11 – 75	0.20 – 65
EBA2010L	0.0035 – 125	0.0045 – 100	0.007 – 80
EBA2010-1L	0.03 – 250	0.04 – 225	0.06 – 200
EBA2040L	0.15 – 400	0.25 – 350	0.80 – 250
EBF-1-CL	0.10 – 300	0.13 – 200	0.20 – 150
EBF-1.5-CL	0.15 – 200	0.225 – 150	0.35 – 100
EBF-2-CL	0.13 – 285	0.20 – 175	0.325 – 125
EBF-4-CL	0.14 – 500	0.20 – 230	0.40 – 110
EBF3010L	0.0035 – 125	0.0045 – 100	0.007 – 80
EBF3010-1L	0.03 – 250	0.04 – 225	0.06 – 200
EBF3015L	0.07 – 225	0.10 – 200	0.20 – 125
EBF3040L	0.15 – 400	0.25 – 350	0.80 – 250

Specification

Type	Part Number	Impedance ratio pri:sec	Bandwidth (MHz)	Idc (mA)	Insertion loss max (dB)	Primary (pins 1-3) L min (μH) DCR max (Ohms)	Secondary (pins 6-4) L min (μH) DCR max (Ohms)	Coilcraft P/N
 Type B	EBB-1-AL	1:1	0.08 - 450	250	0.60	40 0.070	40 0.070	PWB-1-AL
	EBB-1.5-AL	1:1.5	0.03 - 300	250	0.35	110 0.080	160 0.110	PWB-1.5-AL
	EBB-2-AL	1:2	0.05 - 200	250	0.25	75 0.088	150 0.120	PWB-2-AL
	EBB-4-AL	1:4	0.15 - 500	250	0.50	25 0.075	98 0.135	PWB-4-AL
	EBB-16-AL	1:16	0.05 - 80	250	0.35	75 0.260	1250 0.910	PWB-16-AL
	EBB1010L	1:1	0.0035 - 125	250	0.20	780 0.320	780 0.320	PWB1010L
	EBB1010-1L	1:1	0.03 - 250	250	0.20	95 0.200	95 0.200	PWB1010-1L
	EBB1015L	1:1.5	0.07 - 225	250	0.40	51 0.130	80 0.145	PWB1015L
EBB1040L	1:4	0.15 - 400	250	0.40	25 0.115	95 0.160	PWB1040L	
 Type A	EBA-1-BL	1:1	0.13 - 425	250	0.40	22 0.070	22 0.070	PWB-1-BL
	EBA-1.5-BL	1:1.5	0.50 - 250	250	0.40	140 0.100	200 0.120	PWB-1.5-BL
	EBA-2-BL	1:2	0.20 - 400	250	0.35	75 0.088	150 0.130	PWB-2-BL
	EBA-4-BL	1:4	0.14 - 700	250	0.50	25 0.075	98 0.135	PWB-4-BL
	EBA-16-BL	1:16	0.075 - 90	250	0.30	75 0.260	1250 0.910	PWB-16-BL
	EBA2010L	1:1	0.0035 - 125	250	0.20	780 0.320	780 0.320	PWB2010L
EBA2010-1L	1:1	0.03 - 250	250	0.20	95 0.200	95 0.200	PWB2010-1L	
EBA2040L	1:4	0.15 - 400	250	0.40	25 0.115	95 0.160	PWB2040L	
 Type F	EBF-1-CL	1:1	0.10 - 300	250	0.60	22 0.070	22 0.070	PWB-1-CL
	EBF-1.5-CL	1:1.5	0.15 - 200	250	0.30	140 0.110	200 0.120	PWB-1.5-CL
	EBF-2-CL	1:2	0.13 - 285	250	0.30	75 0.105	150 0.130	PWB-2-CL
	EBF-4-CL	1:4	0.14 - 500	250	0.50	25 0.075	98 0.135	PWB-4-CL
	EBF3010L	1:1	0.0035 - 125	250	0.20	780 0.320	780 0.320	PWB3010L
	EBF3010-1L	1:1	0.03 - 250	250	0.20	95 0.200	95 0.200	PWB3010-1L
EBF3015L	1:1.5	0.07 - 225	250	0.40	51 0.130	80 0.145	PWB3015L	
EBF3040L	1:4	0.15 - 400	250	0.40	25 0.115	95 0.160	PWB3040L	

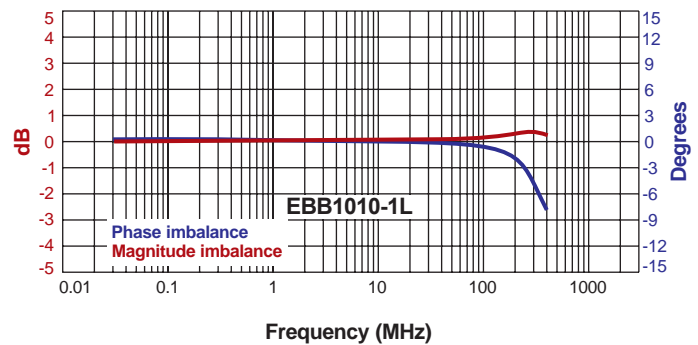
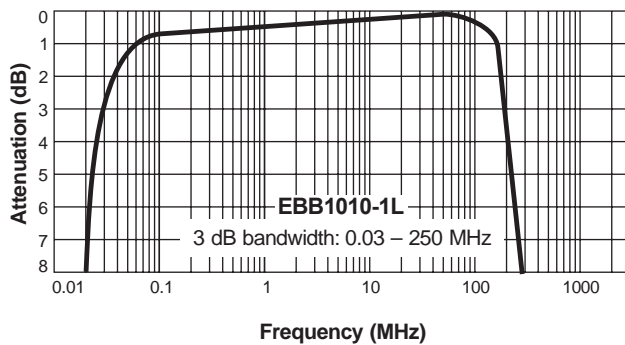
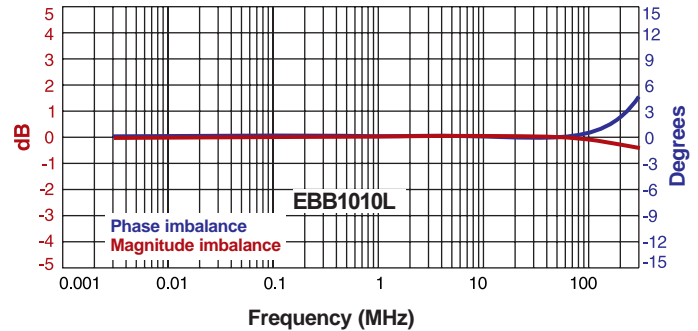
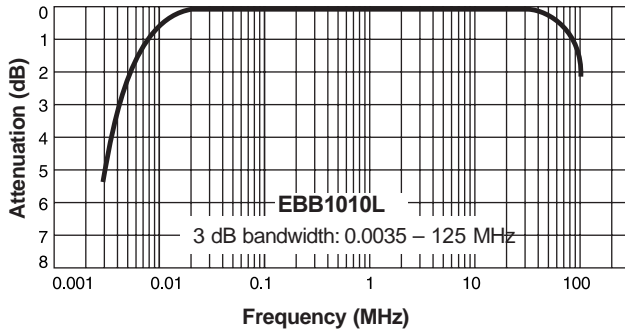
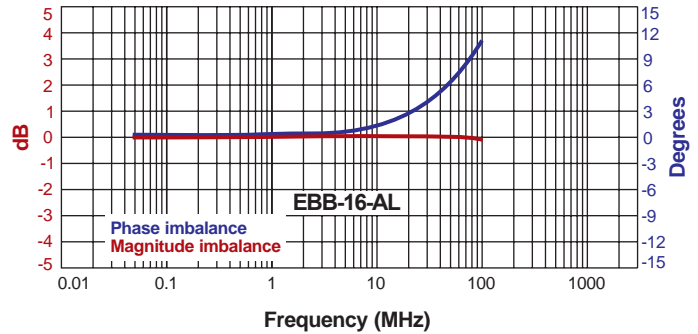
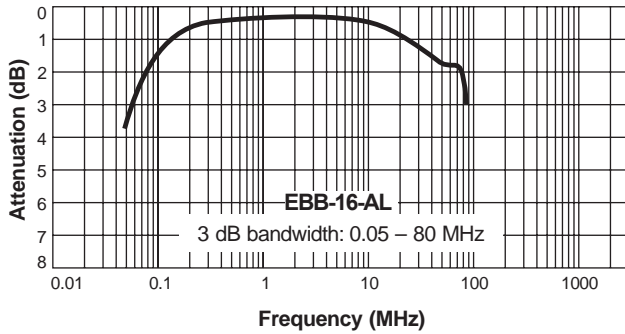
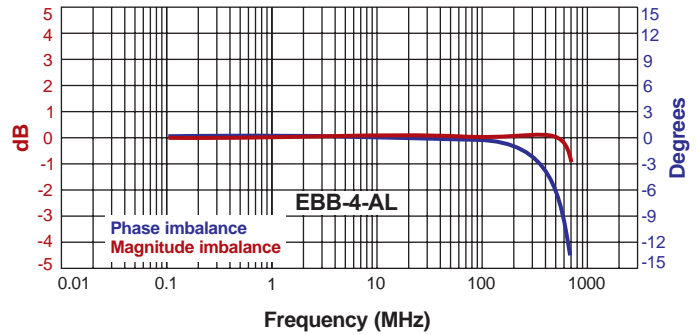
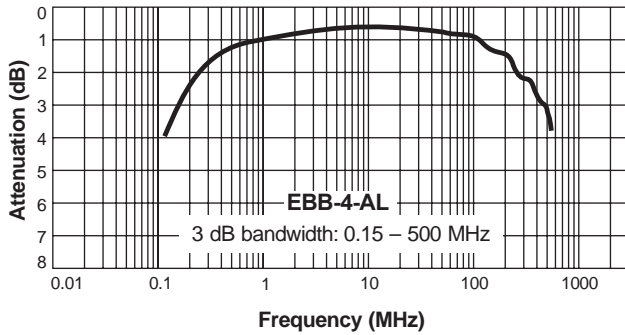
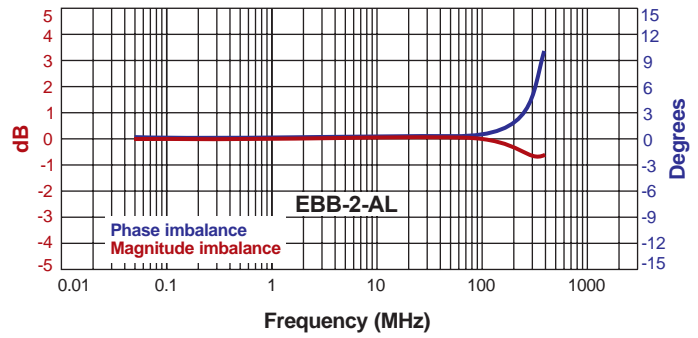
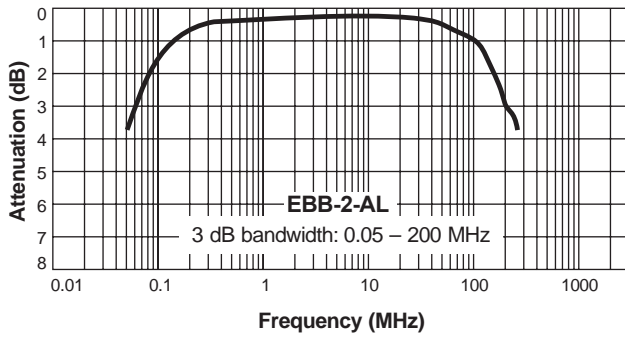
Test Curve

EBB Type B Transformers



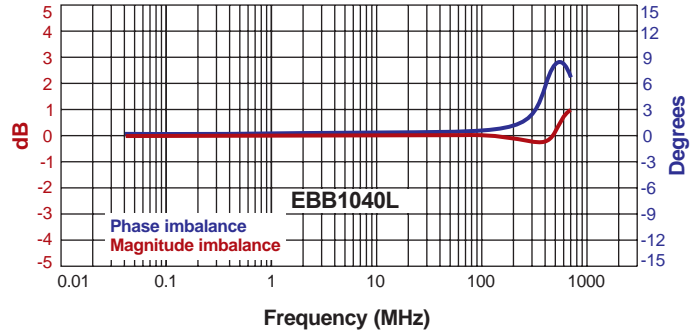
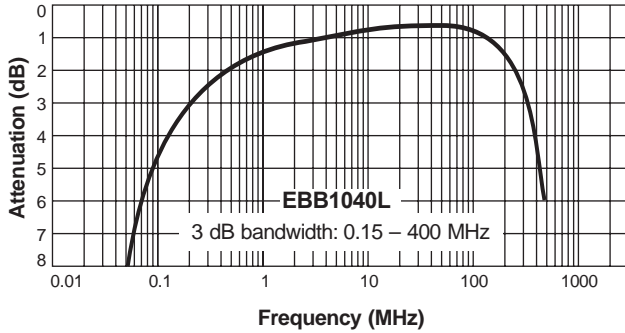
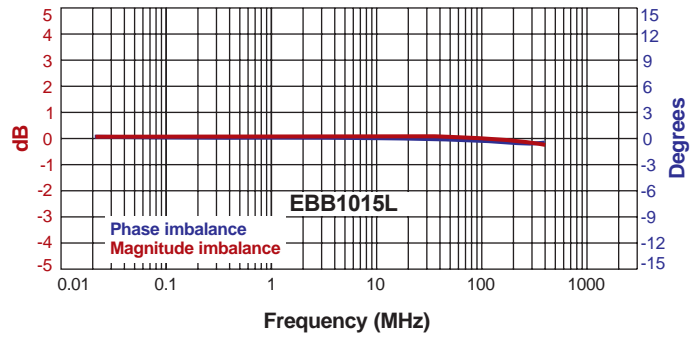
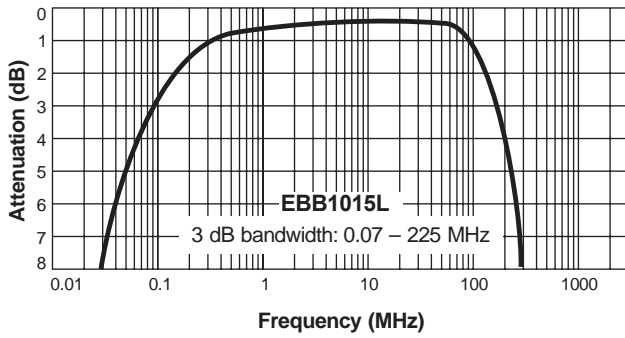
Measured on a network analyzer (re: 50 Ohms)

EBB Type B Transformers

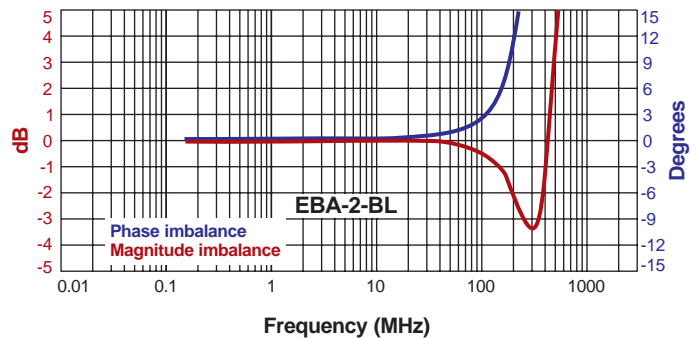
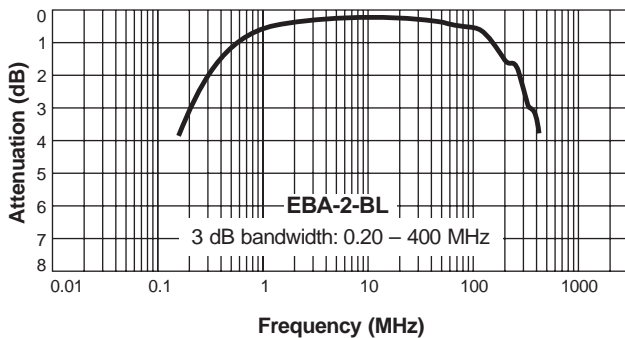
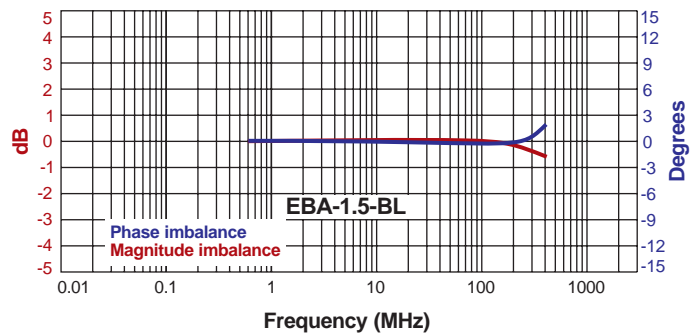
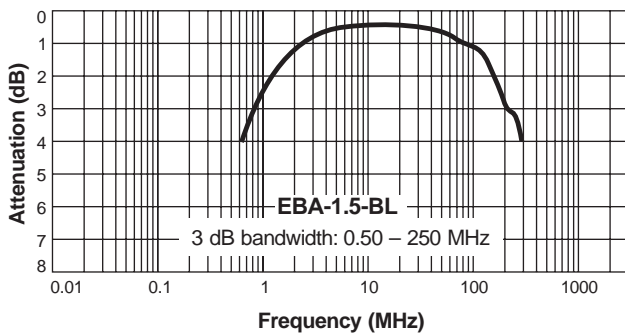
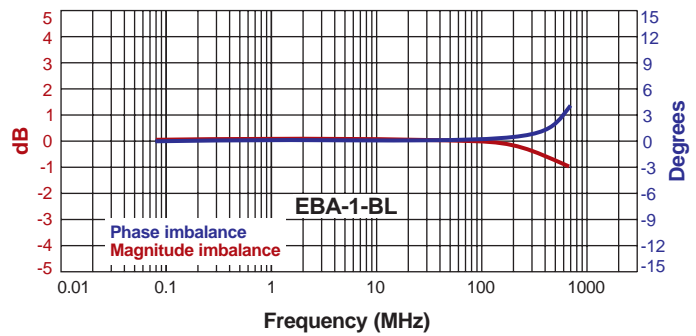
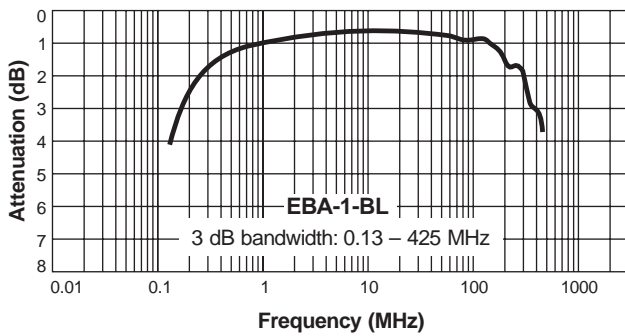


Measured on a network analyzer (re: 50 Ohms)

EBB Type B Transformers

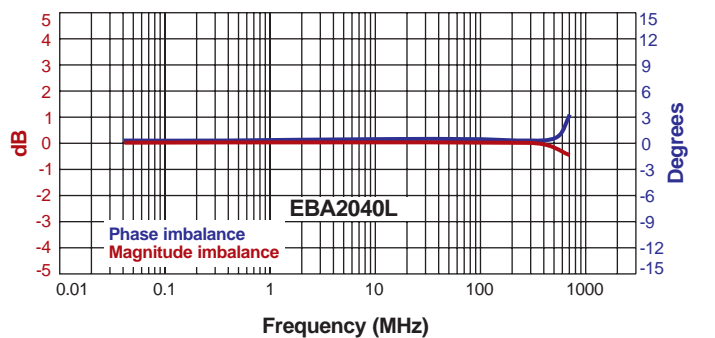
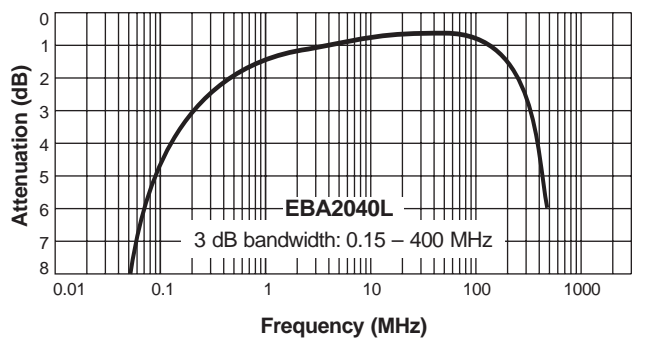
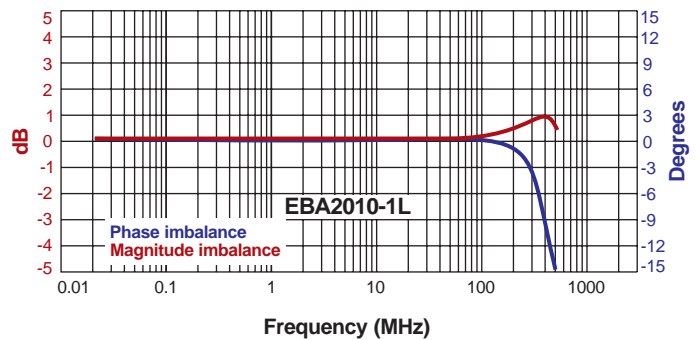
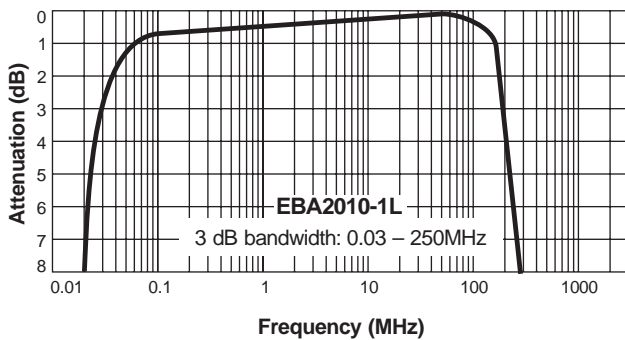
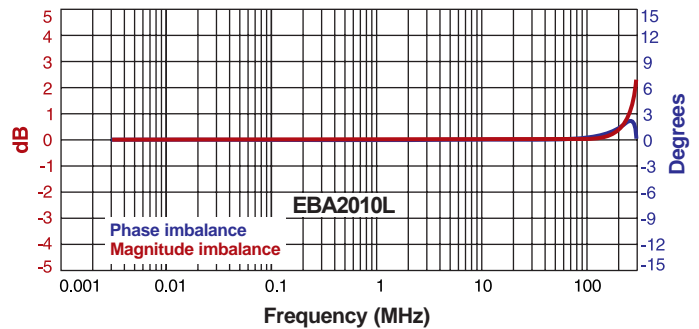
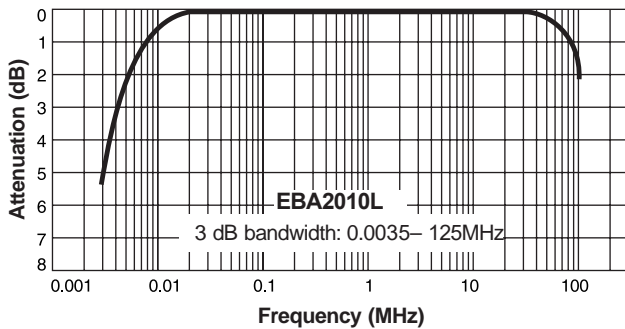
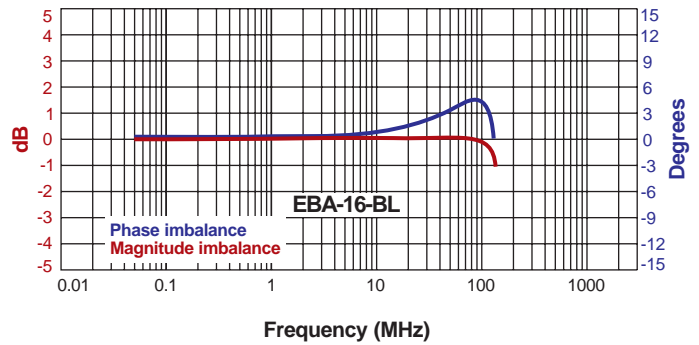
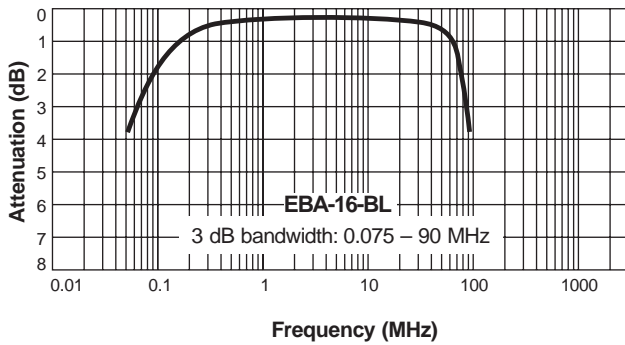
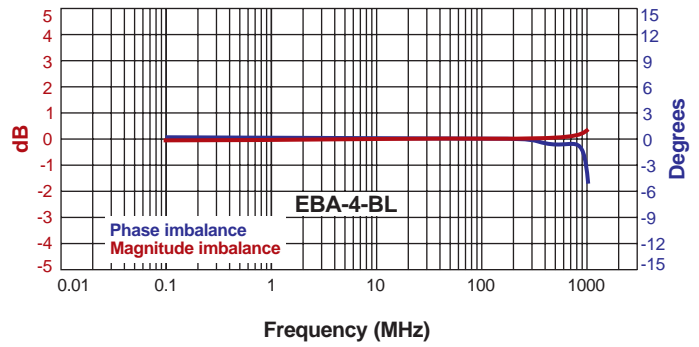
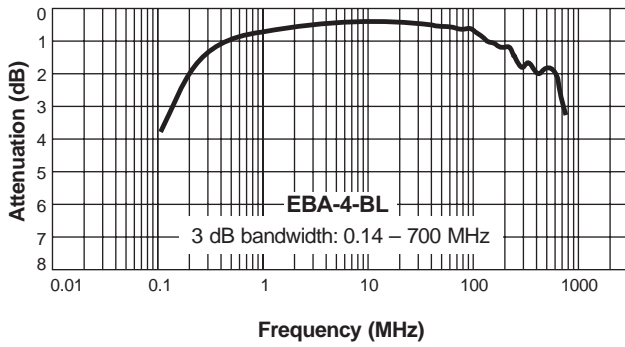


EBA Type A Transformers



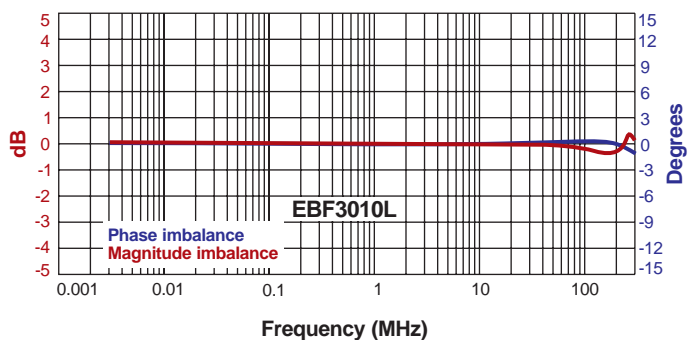
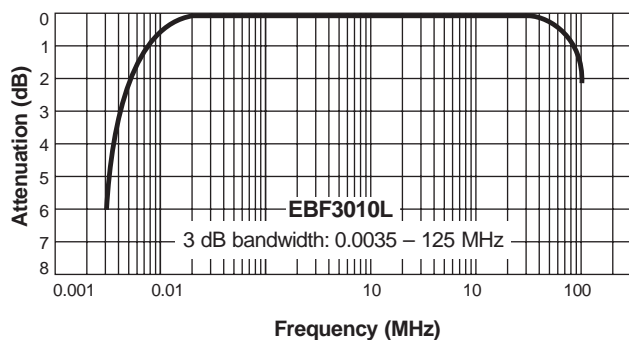
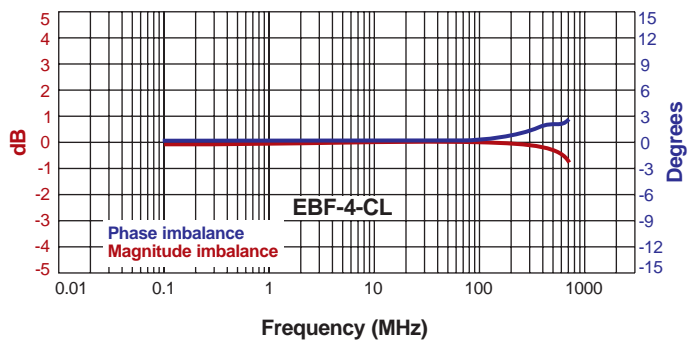
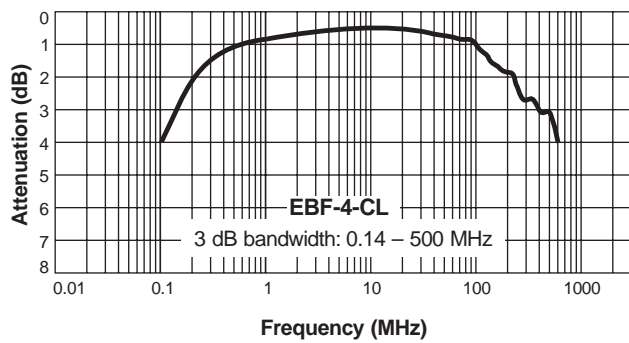
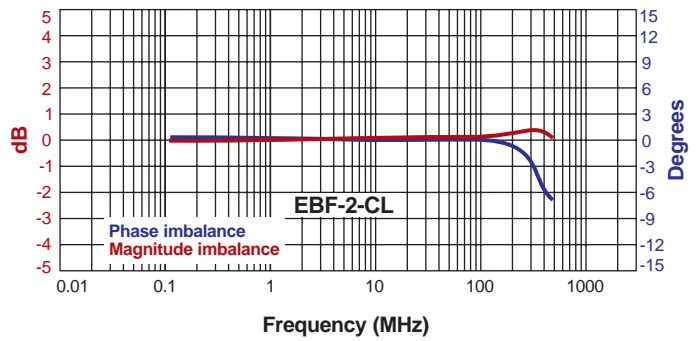
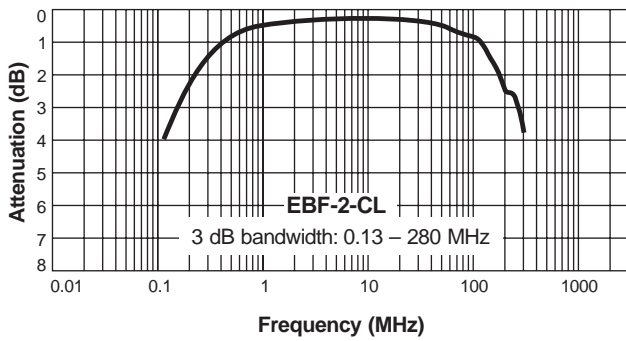
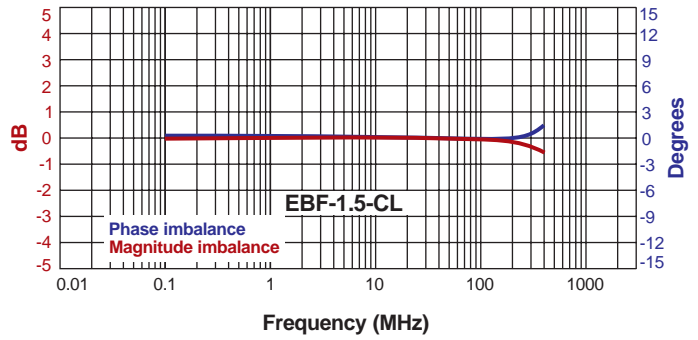
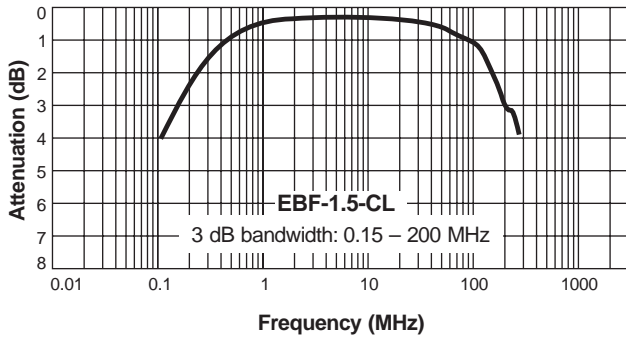
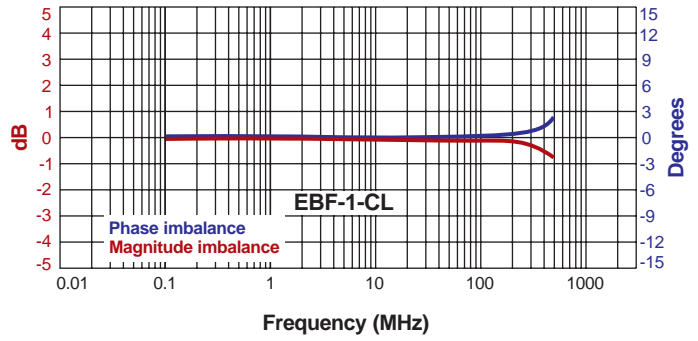
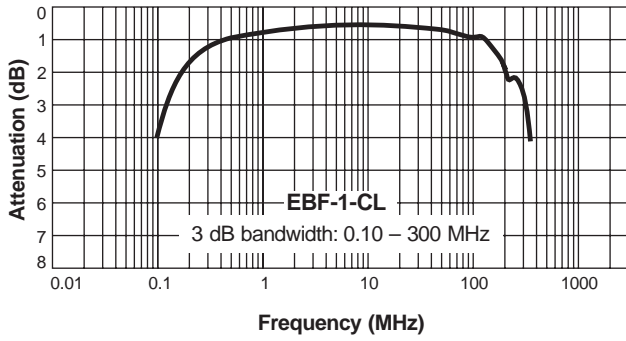
Measured on a network analyzer (re: 50 Ohms)

EBA Type A Transformers



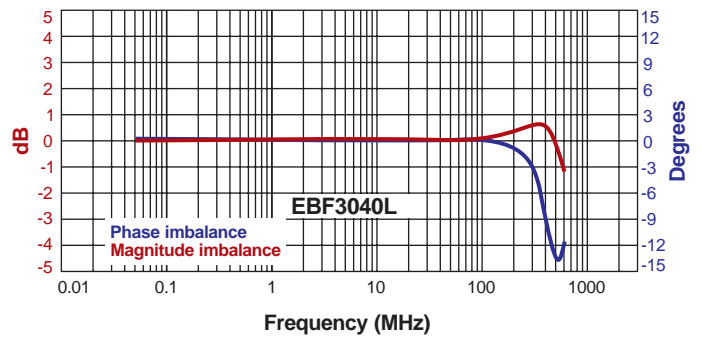
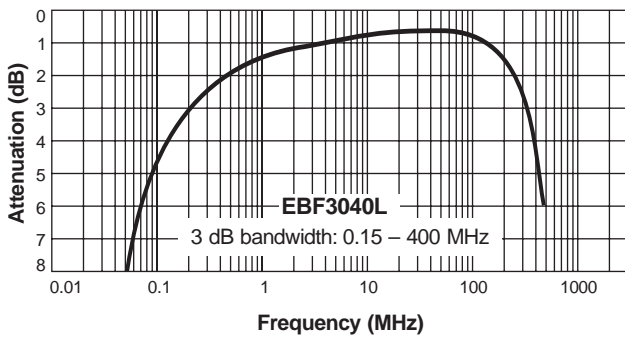
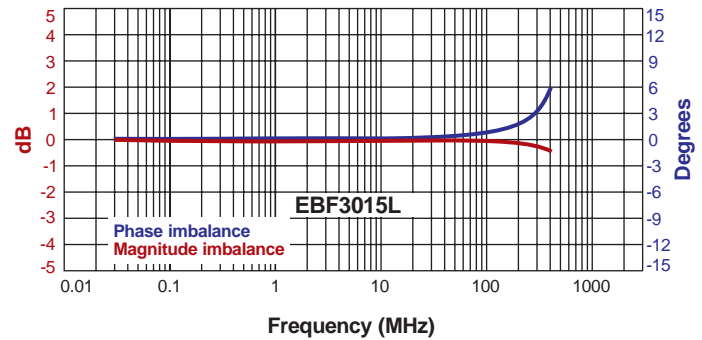
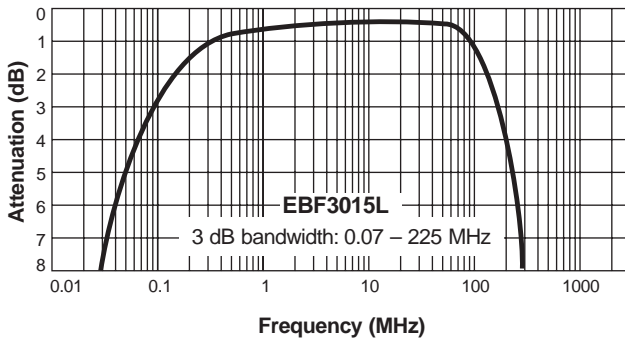
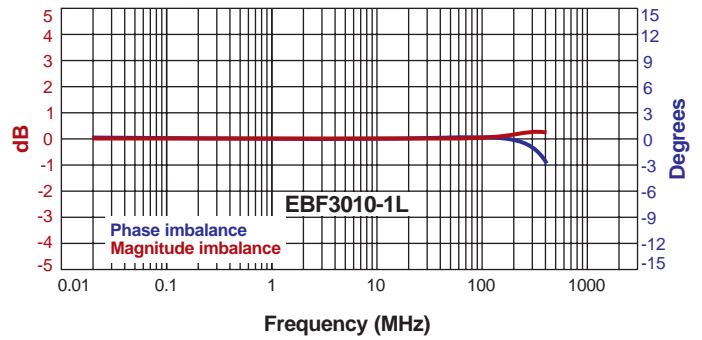
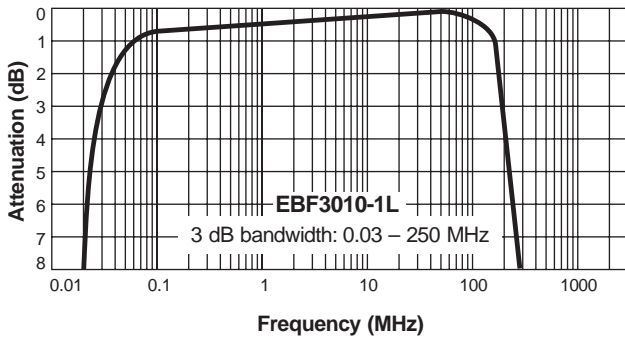
Measured on a network analyzer (re: 50 Ohms)

EBF Type F Transformers



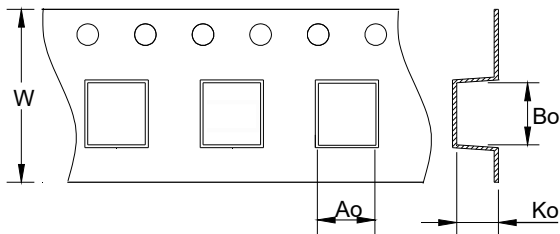
Measured on a network analyzer (re: 50 Ohms)

EBF Type F Transformers



Measured on a network analyzer (re: 50 Ohms)

Tape&Reel Information



Parameter	Units	Value
Qty per reel	PCS	1000
Reel Size	mm	330
Tape Width	mm	16.00
Ao	mm	7.0
Bo	mm	8.0
Ko	mm	5.3