Band Pass Filter BPF-EDU0382

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)
1.00	90.99	0.01
5.00	69.87	0.02
10.00	58.72	0.06
20.00	52.86	0.26
50.00	40.35	0.37
95.00	24.79	0.73
100.00	7.00	4.37
102.00	3.93	9.26
110.00	1.61	16.91
115.00	1.20	21.70
119.00	1.18	17.99
122.00	1.20	16.61
130.00	1.23	16.72
135.00	1.40	27.50
140.00	1.44	27.77
150.00	3.34	8.43
161.00	13.95	1.58
170.00	20.06	1.05
185.00	25.77	0.80
190.00	36.25	0.57
210.00	84.15	0.34
250.00	63.33	0.31
300.00	59.94	0.30
400.00	59.16	0.33
500.00	58.29	0.36
600.00	56.37	0.39
700.00	49.73	0.45
800.00	32.73	4.03
900.00	56.28	0.62
1000.00	81.11	0.57

FREQUENCY (MHz)	GROUP DELAY (nsec)
1.00	107.92
10.00	0.58
50.00	1.24
95.00	6.86
110.00	40.88
112.00	47.63
115.00	40.34
117.00	33.32
119.00	28.67
120.00	27.28
125.00	22.64
130.00	19.91
135.00	18.30
140.00	17.41
147.00	17.15
155.00	18.49
160.00	20.47
161.00	20.98
164.00	23.35
168.00	27.89
170.00	29.16
180.00	15.59
200.00	4.33
300.00	5.44
400.00	1.11
500.00	2.21
600.00	0.28
700.00	0.53
850.00	12.99
1000.00	50.74

Band Pass Filter BPF-EDU0382

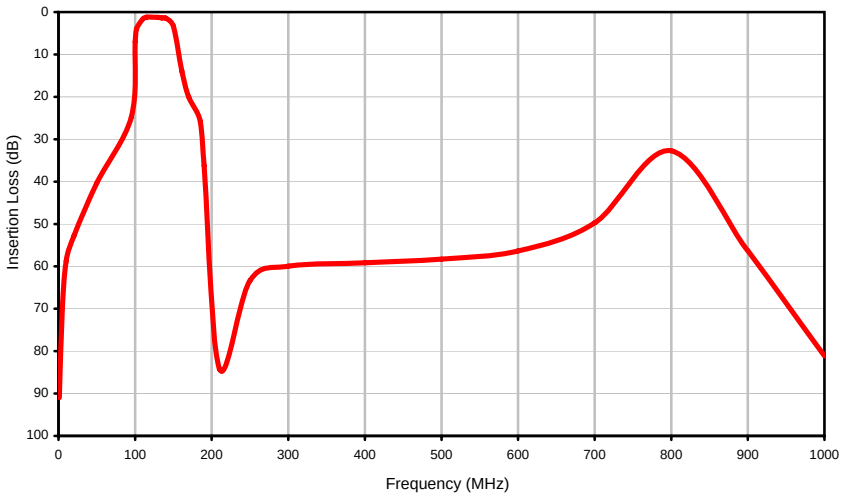
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)
1.00	90.99	0.01
5.00	69.87	0.02
10.00	58.72	0.06
20.00	52.86	0.26
50.00	40.35	0.37
95.00	24.79	0.73
100.00	7.00	4.37
102.00	3.93	9.26
110.00	1.61	16.91
115.00	1.20	21.70
119.00	1.18	17.99
122.00	1.20	16.61
130.00	1.23	16.72
135.00	1.40	27.50
140.00	1.44	27.77
150.00	3.34	8.43
161.00	13.95	1.58
170.00	20.06	1.05
185.00	25.77	0.80
190.00	36.25	0.57
210.00	84.15	0.34
250.00	63.33	0.31
300.00	59.94	0.30
400.00	59.16	0.33
500.00	58.29	0.36
600.00	56.37	0.39
700.00	49.73	0.45
800.00	32.73	4.03
900.00	56.28	0.62
1000.00	81.11	0.57

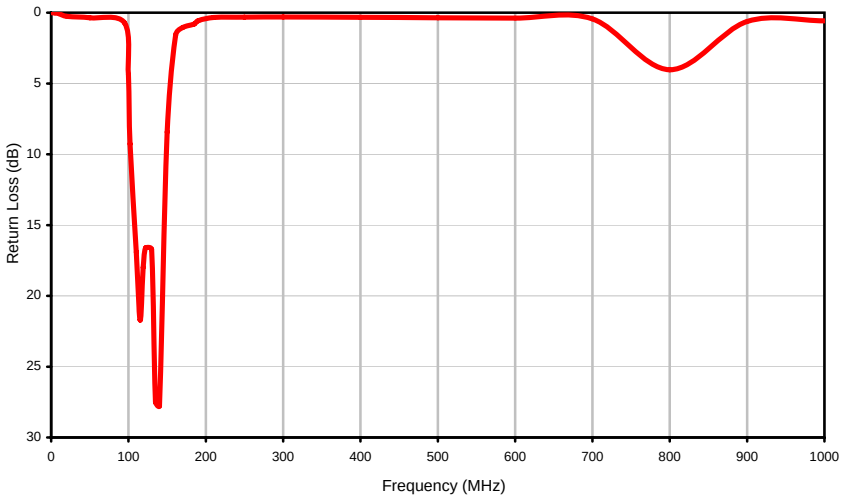
FREQUENCY (MHz)	GROUP DELAY (nsec)
1.00	107.92
10.00	0.58
50.00	1.24
95.00	6.86
110.00	40.88
112.00	47.63
115.00	40.34
117.00	33.32
119.00	28.67
120.00	27.28
125.00	22.64
130.00	19.91
135.00	18.30
140.00	17.41
147.00	17.15
155.00	18.49
160.00	20.47
161.00	20.98
164.00	23.35
168.00	27.89
170.00	29.16
180.00	15.59
200.00	4.33
300.00	5.44
400.00	1.11
500.00	2.21
600.00	0.28
700.00	0.53
850.00	12.99
1000.00	50.74

Typical Performance Curves

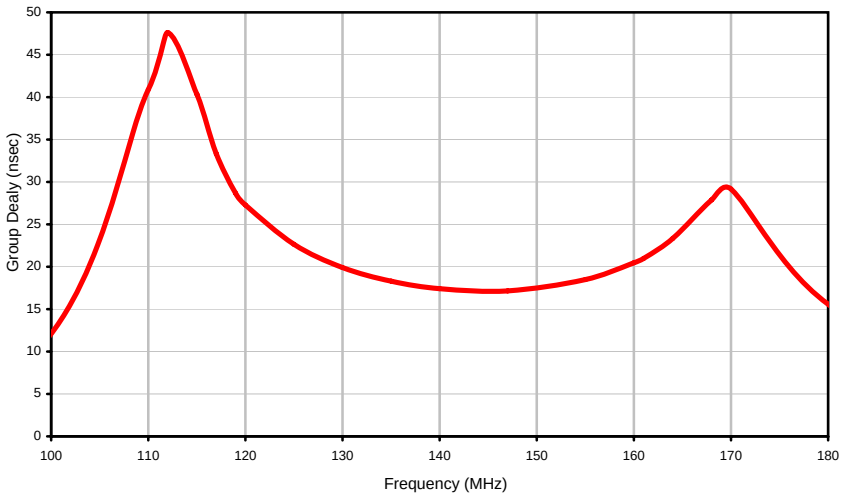
Insertion Loss



Return Loss

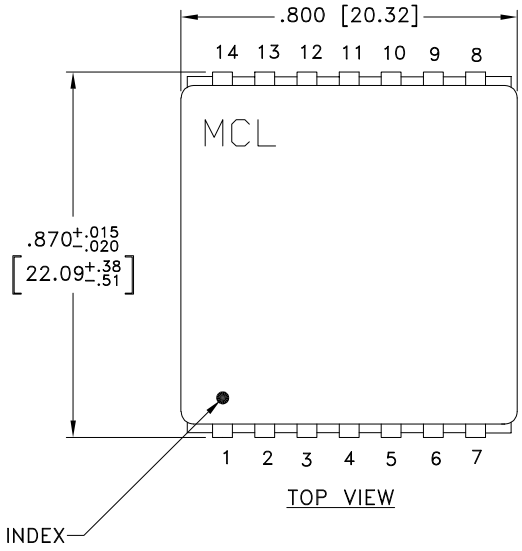


Group Delay

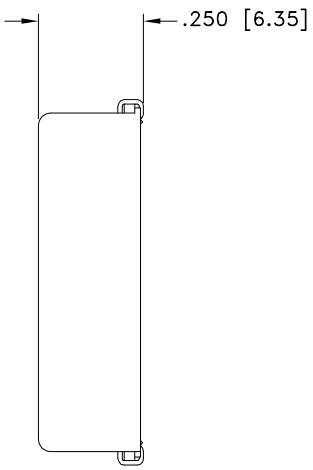


Case Style BG

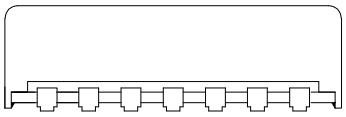
Outline Dimensions BG291



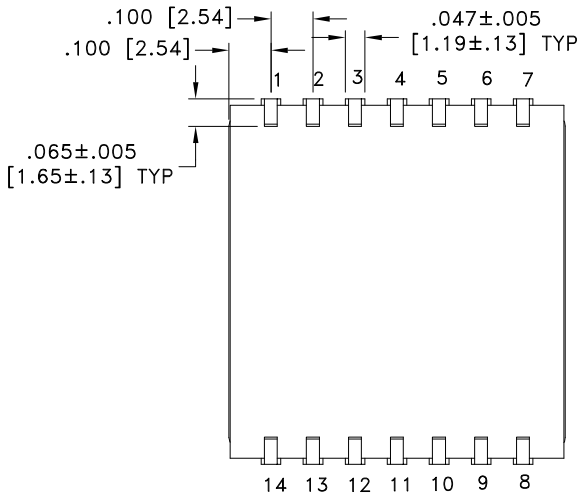
TOP VIEW



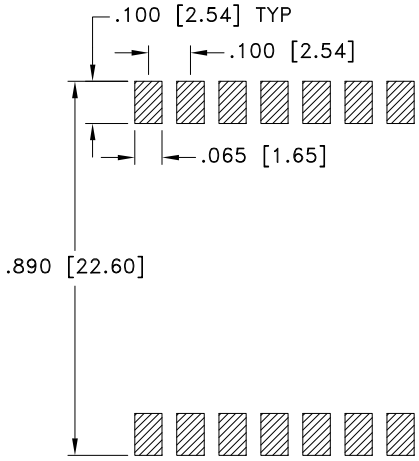
SIDE VIEW



SIDE VIEW



BOTTOM VIEW



SUGGESTED LAYOUT
FOR PCB LAND PATTERN
(TOL ±.002)

DENOTES METALLIZATION

Weight: 4 gram

Dimensions are in inches[mm]. Tolerances: 2PL.±0.03[0.76]; 3 Pl.± 0.015 [0.381] inches[mm], unless otherwise specified

Notes:

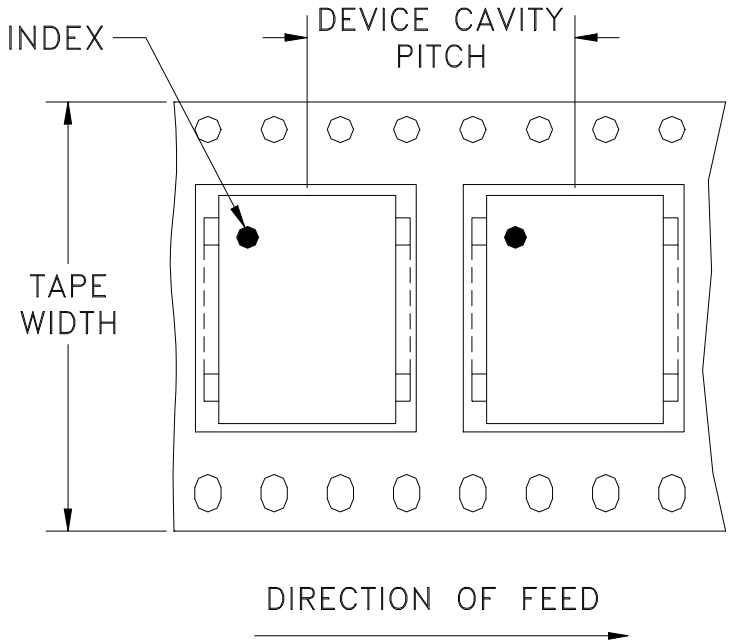
1. Case material: Copper-Nickel alloy.
2. Base material: Printed wiring laminate.
3. Termination finish:

   For RoHS Case Styles: Tin plate over Nickel plate. All models, (+) suffix.
   For RoHS-5 Case Styles: Tin-Lead plate. All models, no (+) suffix.

This document and its contents are the property of Mini-Circuits

Tape & Reel Packaging TR-F21

DEVICE ORIENTATION IN T&R



Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel
32	32	13	200

Mini-Circuits carrier tape materials provide protection from ESD (Electro-Static Discharge) during handling and transportation. Tapes are static dissipative and comply with industry standards EIA-481/EIA-541.

Go to: www.minicircuits.com/pages/pdfs/tape.pdf

Mini-Circuits®
INTERNET http://www.minicircuits.com
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661
Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010
Mini-Circuits ISO 9001 & ISO 14001 Certified

This document and its contents are the property of Mini-Circuits.