

Surface Mount Bandpass Filter



50Ω 1000 to 1200 MHz

Features

- Fast roll-off on the upper side band
- Good matching in the pass band
- Miniature shielded package

Applications

- Aviation and Aeronautical
- Aeronautical radio navigation
- Radar systems
- Navigation systems

Pad Connections

INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7

Outline Dimensions (inch mm)

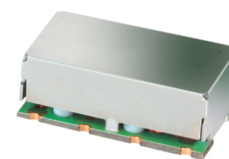
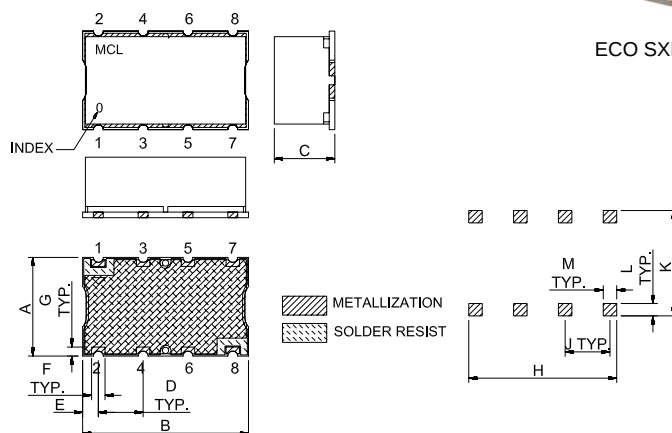
A	B	C	D	E	F	G
.44	.74	.27	.200	.07	.060	.040
11.18	18.80	6.86	5.08	1.78	1.52	1.02
H	J	K	L	M		wt
.660	.200	.470	.055	.060		grams
16.76	5.08	11.94	1.40	1.52		3.0

Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	2 W max.

Permanent damage may occur if any of these limits are exceeded.

Outline Drawing

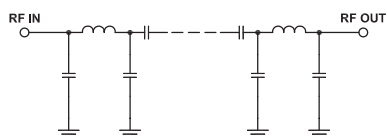


ECO SXBP-1100+

Electrical Specifications at 25°C

Parameter	F#	Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	1100	-	MHz
	Insertion Loss	F1-F2	-	1.0	2.0	dB
	VSWR	F1-F2	-	1.3	2.3	:1
Stop Band, Lower	Insertion Loss	DC-F3	20.0	30.0	-	dB
	VSWR	DC-F3	-	20.0	-	:1
Stop Band, Upper	Insertion Loss	F4-F5	20.0	29.0	-	dB
	VSWR	F4-F5	-	20.0	-	:1

Functional Schematic



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	Frequency (MHz)	Group Delay (nsec)
1	57.02	1737.18	1000	1.75
5	43.13	1737.18	1020	1.78
20	31.10	1737.18	1030	1.80
70	20.52	347.44	1040	1.81
150	14.93	91.43	1050	1.83
600	7.38	15.00	1060	1.86
750	3.59	5.83	1070	1.89
830	1.54	2.79	1080	1.92
880	0.76	1.76	1090	1.96
1000	0.50	1.26	1100	1.99
1100	0.56	1.25	1110	2.03
1200	0.77	1.20	1120	2.08
1235	1.46	1.90	1130	2.13
1265	3.43	3.87	1140	2.18
1300	7.58	9.58	1150	2.24
1360	15.82	26.33	1160	2.32
1400	20.90	36.20	1170	2.41
1500	31.84	51.10	1180	2.51
1750	43.02	69.49	1190	2.64
2200	54.70	78.97	1200	2.79

Typical Frequency Response

