

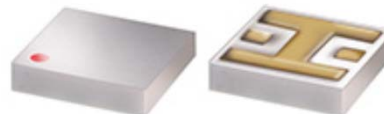
Band Pass Filter

Surface Mount Ceramic

BFTC-560EDU+

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



Please click "Back", and then click "Contact Us" for Applications support.

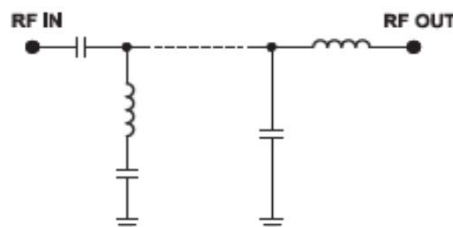
FR933-1

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C						
Parameter		Frequency (MHz)	Min.	Typ.	Max.	Units
Passband	Centre frequency	-	-	560	-	MHz
	Insertion Loss	460 - 660	-	3.0	4.0	dB
	VSWR	460 - 660	1.9	1.78	-	:1
Stop Band, Lower	Insertion Loss	1 - 330	30	42	-	dB
Stop Band, Upper	Insertion Loss	950 - 1750	30	37	-	dB

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	4W max @ +25°C

PIN CONNECTIONS	
Input	2
Output	5
Ground	1,3,4,6

Functional Schematic



+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

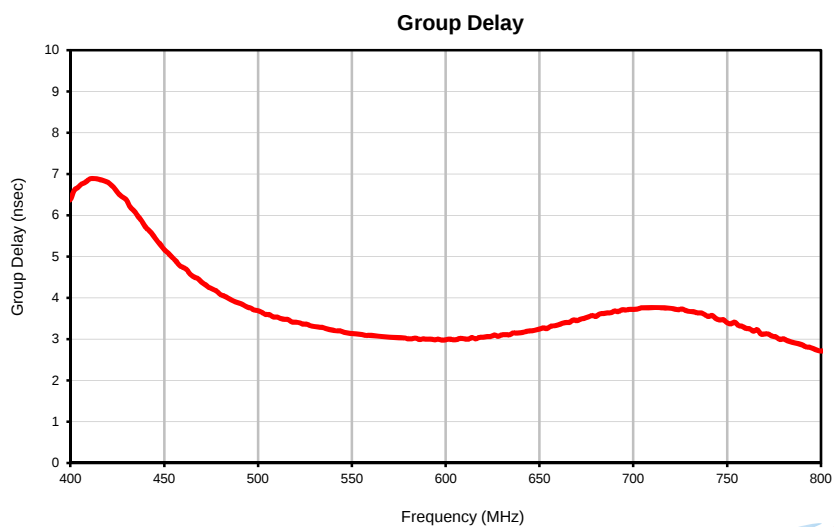
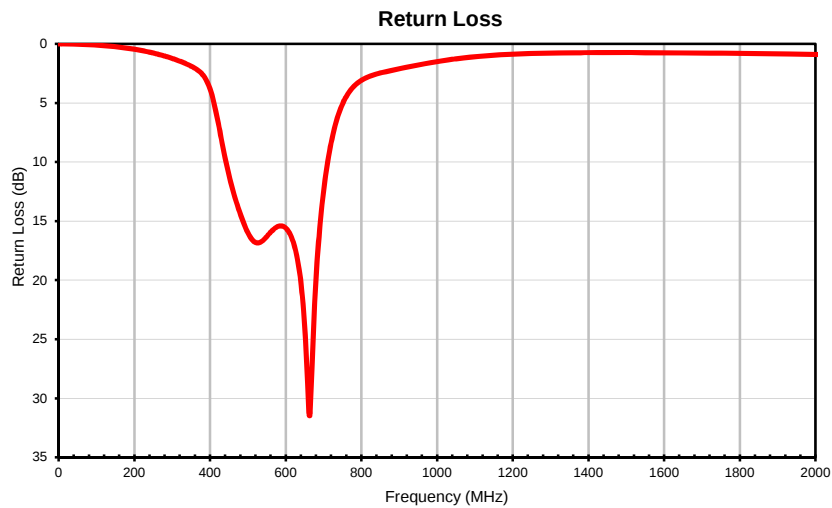
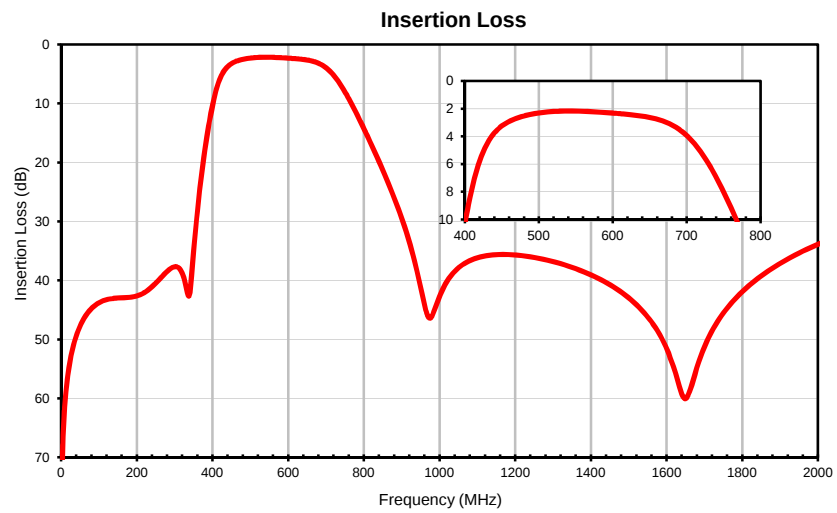
Band Pass Filter

BFTC-560EDU+

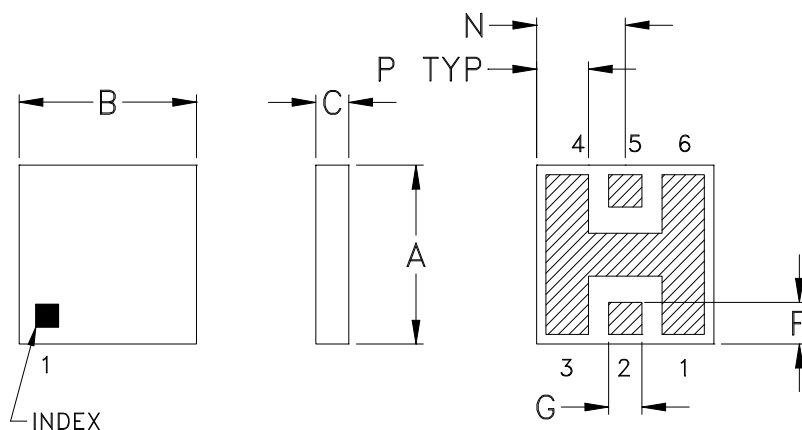
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
1	80.60	0.00	460	4.74
10	61.04	0.00	464	4.57
100	43.78	0.10	468	4.46
150	42.99	0.23	472	4.32
200	42.65	0.45	476	4.21
260	39.81	0.85	480	4.08
300	37.68	1.22	484	3.99
320	38.75	1.46	488	3.91
330	40.98	1.58	492	3.83
340	42.23	1.72	496	3.75
350	35.25	1.88	500	3.69
356	30.88	1.98	504	3.60
374	20.68	2.38	508	3.54
380	17.90	2.58	512	3.50
390	13.80	3.05	516	3.47
400	10.36	3.79	520	3.41
420	5.78	6.39	524	3.36
430	4.53	8.05	528	3.32
450	3.25	11.11	532	3.29
460	2.92	12.35	536	3.26
560	2.18	15.95	540	3.21
630	2.47	18.06	544	3.20
650	2.63	23.77	548	3.15
660	2.75	30.35	552	3.13
700	3.94	12.49	556	3.10
710	4.50	10.17	560	3.10
760	9.15	4.45	564	3.07
770	10.36	3.97	568	3.06
800	14.24	3.08	572	3.04
830	18.39	2.65	576	3.03
850	21.29	2.46	580	3.01
900	29.44	2.10	584	3.03
950	41.09	1.78	588	3.01
1000	42.75	1.49	592	3.00
1200	35.69	0.87	596	3.00
1300	36.80	0.77	600	2.99
1400	39.06	0.74	610	3.01
1500	42.94	0.74	620	3.05
1750	45.56	0.78	630	3.11
2000	33.87	0.88	660	3.34

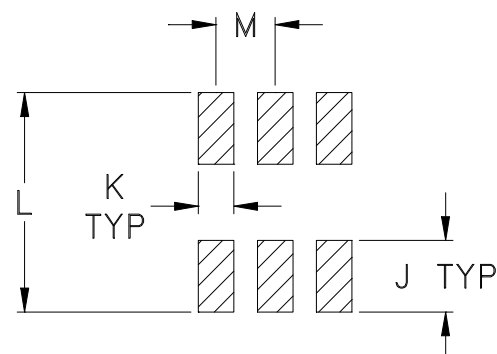
Typical Performance Curves



Outline Dimensions



PCB Land Pattern



Suggested Layout,
Tolerance to be within $\pm .002$

CASE #	A	B	C	D	E	F	G	H	J	K	L	M
FR933-1	.150 (3.81)	.150 (3.81)	.059 (1.50)	--	--	.035 (0.89)	.028 (0.71)	--	.060 (1.52)	.030 (0.76)	.184 (4.67)	.050 (1.27)

CASE #	N	P	WT. GRAM
FR933-1	.075 (1.91)	.044 (1.12)	0.15

Dimensions are in inches (mm). Tolerances: 2Pl. $\pm .01$; 3 Pl. $\pm .005$

Notes:

1. Open style, Ceramic Base.
2. Termination finish: Palladium Silver.



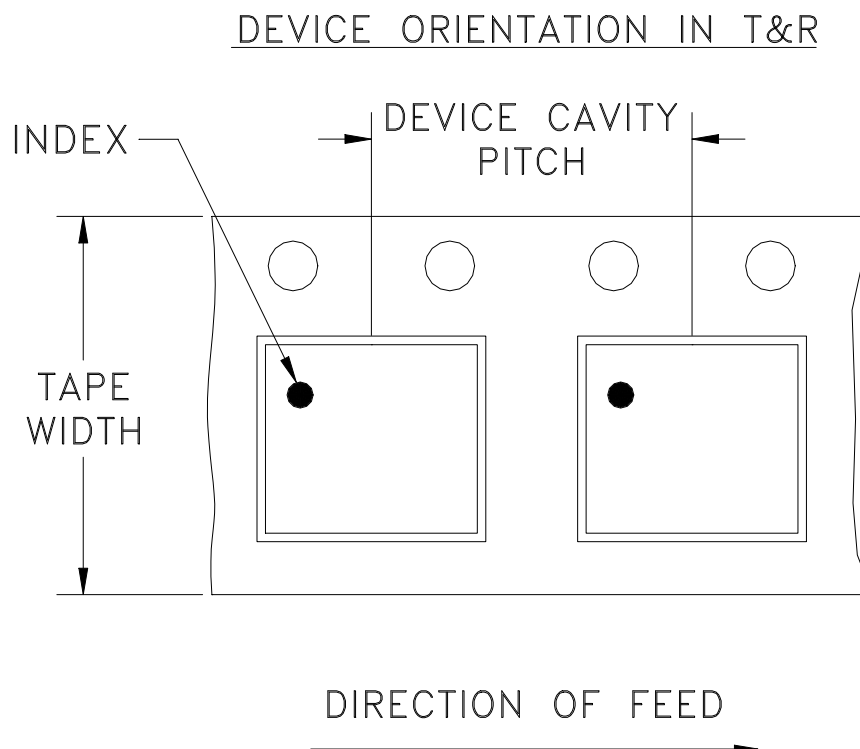
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Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel see note	
12	8	7	Small quantity standard	20
				50
				100
				200
				500
		7	Standard	1000
		13	Standard	2000
				3000
				4000

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