

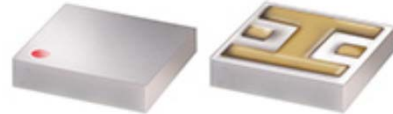
Band Pass Filter

Surface Mount Ceramic

BFTC-530EDU+

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.

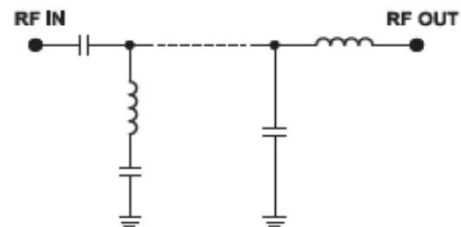
FR933-1

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C						
Parameter		Frequency (MHz)	Min.	Typ.	Max.	Units
Passband	Centre frequency	-	-	530	-	MHz
	Insertion Loss	430 - 630	-	3.0	4.0	dB
	VSWR	430 - 630	1.9	1.78	-	:1
Stop Band, Lower	Insertion Loss	1 - 300	30	42	-	dB
Stop Band, Upper	Insertion Loss	900 - 1800	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



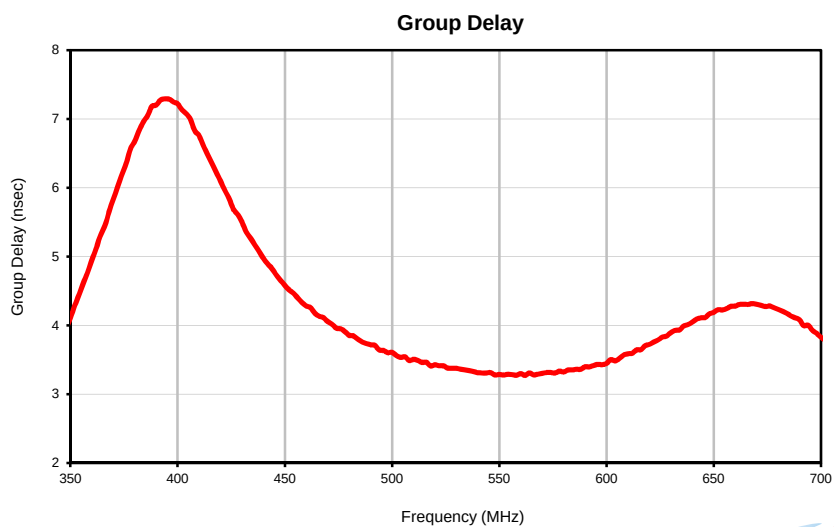
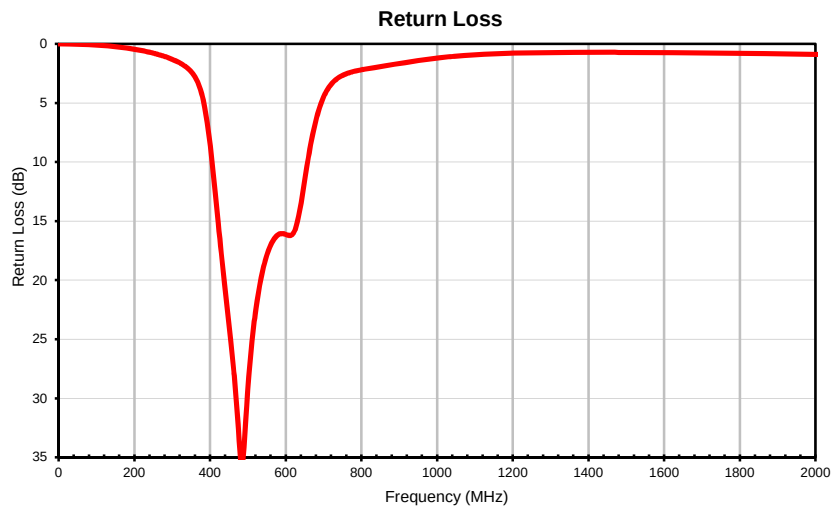
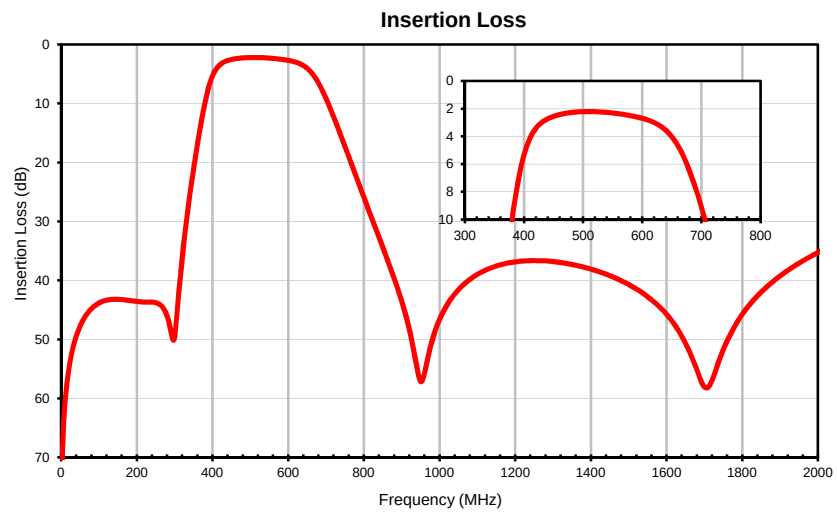
+RoHS Compliant

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

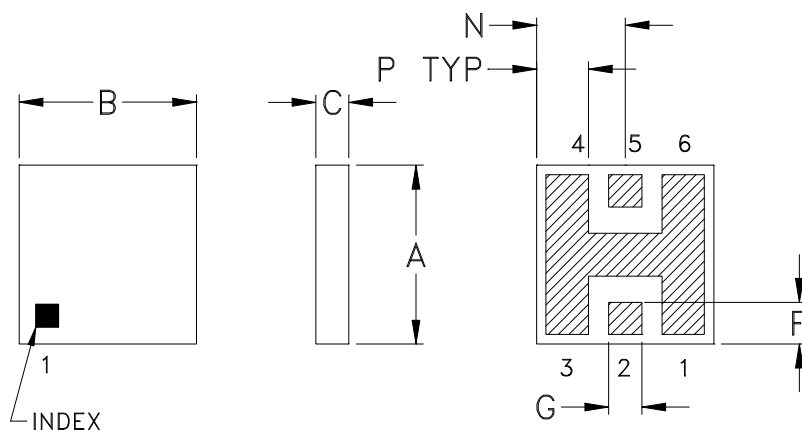
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
1	80.65	0.00	430	5.50
10	61.00	0.00	434	5.27
100	43.83	0.09	438	5.07
150	43.20	0.23	442	4.89
200	43.58	0.45	446	4.73
260	44.06	0.86	450	4.58
300	49.67	1.30	454	4.47
320	36.15	1.60	458	4.33
330	30.56	1.79	462	4.26
340	25.67	2.03	466	4.13
350	21.20	2.34	470	4.06
360	17.05	2.76	474	3.96
370	13.26	3.42	478	3.91
380	9.93	4.47	482	3.85
390	7.25	6.11	486	3.76
400	5.34	8.45	490	3.72
420	3.42	14.56	494	3.64
430	2.99	17.75	498	3.60
450	2.55	23.72	502	3.56
460	2.42	26.75	506	3.54
530	2.23	20.66	510	3.51
630	3.23	15.19	514	3.46
650	4.03	11.59	518	3.41
660	4.66	9.61	522	3.41
700	9.11	4.49	526	3.38
710	10.62	3.88	530	3.38
760	18.98	2.53	534	3.35
770	20.70	2.42	538	3.33
800	25.86	2.19	542	3.31
830	30.97	2.02	546	3.31
850	34.37	1.92	550	3.29
900	43.48	1.66	554	3.29
950	57.15	1.41	558	3.27
1000	46.63	1.20	562	3.27
1200	36.85	0.78	566	3.28
1300	36.81	0.72	570	3.30
1400	38.07	0.71	574	3.31
1500	40.71	0.72	578	3.34
1800	45.76	0.79	600	3.45
2000	35.28	0.88	630	3.89

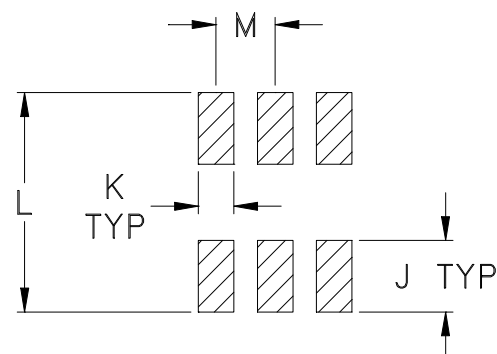
Typical Performance Curves



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.



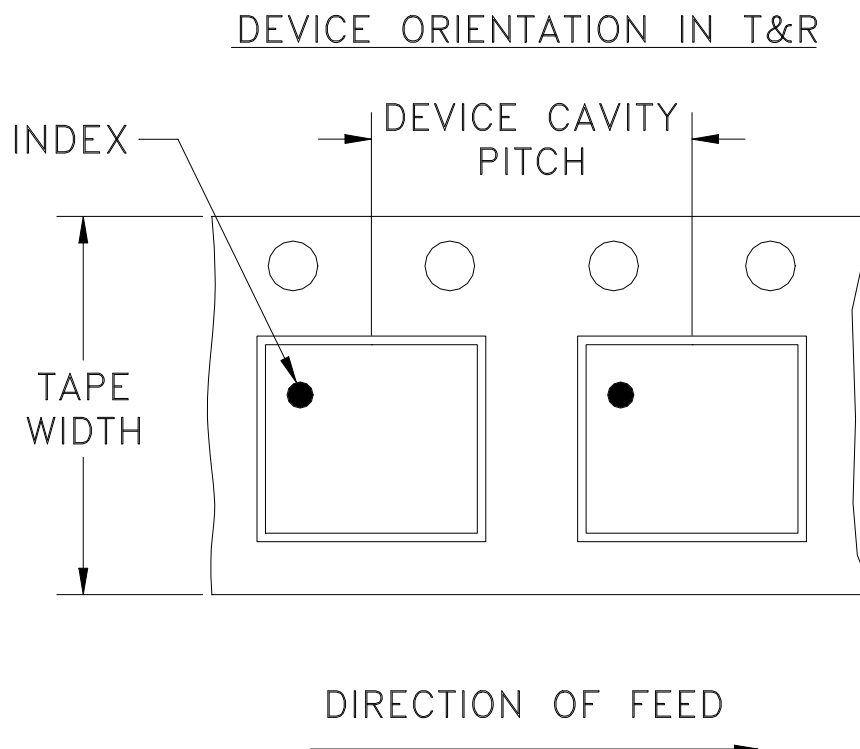
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12	8	7	Small quantity standard	20
				50
				100
				200
				500
		7	Standard	1000
		13	Standard	2000
				3000
				4000

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