

Coaxial Thin-Film Bandpass Filter

ZABF-9R3G-S+

Typical Performance Data

FREQ.	Insertion Loss	Input Return Loss	Output Return Loss
(MHz)	(dB)	(dB)	(dB)
10	85.85	0.09	0.09
20	83.08	0.10	0.12
40	96.21	0.13	0.16
100	86.65	0.18	0.22
160	84.34	0.22	0.27
200	86.24	0.24	0.29
260	80.96	0.27	0.32
400	79.29	0.31	0.36
600	78.06	0.34	0.41
800	75.43	0.37	0.44
900	74.37	0.37	0.45
1000	74.19	0.38	0.46
1500	70.22	0.40	0.46
2000	67.96	0.36	0.43
2500	66.26	0.32	0.37
3000	64.80	0.19	0.31
3500	63.38	0.11	0.26
4000	62.54	0.03	0.23
4500	61.45	0.03	0.22
5000	60.50	0.07	0.23
5500	59.25	0.14	0.28
6000	57.52	0.25	0.38
6500	54.50	0.35	0.47
6700	53.00	0.40	0.49
6900	51.08	0.42	0.52
7800	37.53	0.56	0.62
8000	32.81	0.61	0.67
8300	23.40	0.75	0.84
8720	3.40	7.59	7.64
9200	1.41	28.34	24.99
9210	1.41	28.09	24.69
9250	1.41	26.02	23.35
9270	1.41	25.22	22.92
9300	1.41	24.67	22.66
9350	1.41	25.46	23.33
9370	1.41	26.45	24.02
9380	1.41	27.12	24.45
9400	1.41	28.89	25.46
10000	3.17	11.59	13.51
10210	20.82	1.29	1.64
10700	33.17	0.68	0.72
11000	36.20	0.63	0.70
12000	44.63	0.35	0.77
13000	50.66	0.06	0.62
14500	57.81	0.17	0.30
15000	59.26	0.21	0.30
15200	59.68	0.28	0.32
15300	59.95	0.32	0.33
15800	60.31	0.31	0.42
16500	59.20	0.31	0.63
17000	57.39	0.24	0.79
17500	55.11	0.35	0.91
17600	54.61	0.33	0.92
17800	53.43	0.29	0.93
18000	52.31	0.23	0.91
18500	49.23	0.18	0.80
18600	48.57	0.15	0.77
18700	47.97	0.16	0.75
18800	47.33	0.21	0.72
19000	46.07	0.16	0.65

FREQ.	Group Delay
(MHz)	(ns)
9200	1.04
9205	1.03
9210	1.03
9215	1.03
9220	1.03
9225	1.03
9230	1.03
9235	1.03
9240	1.02
9245	1.02
9250	1.02
9255	1.02
9255	1.02
9270	1.02
9275	1.02
9280	1.02
9285	1.02
9290	1.02
9295	1.02
9300	1.01
9305	1.01
9310	1.01
9315	1.01
9320	1.01
9325	1.01
9330	1.01
9335	1.01
9340	1.01
9345	1.01
9350	1.01
9355	1.01
9360	1.01
9365	1.01
9370	1.01
9375	1.02
9380	1.02
9385	1.02
9390	1.02
9395	1.02
9400	1.02