

Thin-Film Bandpass Filter

ABF-11R5G+

Typical Performance Data

FREQ.	Insertion Loss	Input Return Loss	Output Return Loss
(MHz)	(dB)	(dB)	(dB)
10	99.93	0.05	0.15
50	89.41	0.08	0.20
100	84.99	0.05	0.14
500	71.35	0.27	0.37
1000	65.59	0.33	0.42
1500	62.15	0.35	0.37
2000	59.80	0.34	0.33
2500	57.81	0.27	0.33
3000	56.02	0.24	0.37
3500	55.40	0.26	0.48
4000	54.55	0.32	0.60
4500	53.58	0.41	0.68
5000	52.20	0.50	0.72
5250	51.12	0.55	0.73
5500	50.03	0.61	0.73
5750	48.56	0.65	0.74
6000	46.83	0.68	0.75
6250	44.77	0.72	0.73
6500	42.38	0.73	0.73
7000	36.56	0.74	0.80
7250	33.11	0.73	0.88
7400	30.84	0.76	0.91
7950	21.16	0.87	1.08
8400	10.94	1.47	1.72
8720	3.67	4.52	4.92
9600	0.79	18.74	18.47
10000	0.74	27.59	25.08
10500	0.81	17.56	18.55
11000	0.77	27.91	33.06
11500	0.92	18.82	19.97
12000	0.95	23.12	26.98
12500	1.22	13.81	13.89
12700	1.19	15.74	14.88
13000	1.19	22.94	16.43
13200	1.39	15.32	13.33
14120	2.36	11.79	11.97
14400	6.24	4.68	6.73
14720	18.17	1.80	2.45
15150	29.55	1.39	2.14
15600	36.37	1.26	2.42
16000	39.17	1.23	2.71
16500	41.30	1.23	2.61
17000	44.52	1.29	2.14
17500	48.19	1.36	1.85
18000	52.11	1.41	1.75
18500	60.17	1.45	1.72
19000	52.24	1.48	1.69
19500	45.81	1.49	1.64
20000	40.65	1.50	1.61
20500	36.31	1.60	1.58
21000	33.91	1.68	1.57
21500	33.26	1.70	1.59
22000	33.28	1.71	1.67
22500	34.29	1.77	1.75
23000	38.13	1.69	1.74
23500	44.65	1.59	1.67
24000	52.24	1.52	1.59
25000	55.33	1.56	1.53
27000	36.05	2.82	1.79
30000	27.89	3.94	2.10

FREQ.	Group Delay
(MHz)	(ns)
9600	0.49
9680	0.49
9760	0.48
9840	0.48
9920	0.48
10000	0.46
10080	0.47
10160	0.45
10240	0.46
10320	0.45
10400	0.44
10480	0.44
10550	0.44
10600	0.44
10650	0.43
10700	0.45
10750	0.44
10800	0.44
10850	0.45
10900	0.44
10950	0.44
11000	0.44
11050	0.45
11100	0.44
11150	0.44
11200	0.44
11250	0.44
11300	0.44
11350	0.43
11400	0.45
11450	0.43
11500	0.42
11550	0.45
11600	0.44
11650	0.43
11700	0.45
11750	0.44
11800	0.44
11850	0.45
11900	0.45
11950	0.45
12000	0.45
12050	0.45
12100	0.45
12150	0.45
12200	0.44
12250	0.45
12300	0.45
12350	0.44
12400	0.45
12450	0.44
12500	0.44
12550	0.45
12600	0.46
12700	0.46
12800	0.48
12900	0.50
13000	0.49
13100	0.50
13200	0.50

