

Thin-Film Bandpass Filter

ABF-13G+

Typical Performance Data

FREQ.	Insertion Loss	Input Return Loss	Output Return Loss	FREQ.	Group Delay
(MHz)	(dB)	(dB)	(dB)	(MHz)	(ns)
10	77.71	0.02	0.04	11600	0.74
20	95.51	0.03	0.05	11625	0.73
25	101.01	0.04	0.05	11650	0.73
100	92.69	0.08	0.09	11675	0.73
200	86.33	0.12	0.14	11700	0.73
400	83.89	0.18	0.20	11725	0.73
800	75.22	0.23	0.25	11750	0.73
900	74.86	0.23	0.25	11775	0.73
1000	73.32	0.23	0.25	11800	0.73
2000	67.61	0.21	0.22	11825	0.73
5000	61.79	0.41	0.44	11850	0.73
7500	55.42	0.67	0.69	11875	0.73
9000	41.14	0.71	0.74	12000	0.73
9650	30.40	0.76	0.78	12025	0.73
10075	20.27	0.98	1.00	12050	0.72
10575	3.28	6.00	6.03	12100	0.72
11600	0.94	15.09	15.36	12150	0.72
11800	0.88	17.31	17.66	12200	0.72
12000	0.77	26.03	26.35	12250	0.72
12400	0.81	20.05	20.49	12300	0.72
12600	0.84	19.42	19.78	12350	0.71
13000	0.85	26.50	24.23	12400	0.71
13500	0.96	29.60	28.40	12450	0.71
13600	0.99	28.51	28.12	12500	0.71
13800	1.01	28.07	27.70	12550	0.71
14000	1.02	29.56	28.76	12600	0.71
14200	1.04	27.98	29.92	12650	0.71
14400	1.06	26.96	31.87	12700	0.71
15000	1.48	21.33	23.37	12750	0.71
15410	3.01	13.51	17.17	12800	0.72
15550	10.03	3.65	4.03	12900	0.72
15670	21.94	1.93	2.08	13000	0.72
15800	35.96	1.64	1.74	13050	0.72
16000	48.99	1.52	1.57	13100	0.73
17000	48.06	1.40	1.32	13150	0.73
17500	44.37	1.38	1.26	13200	0.73
18000	39.23	1.40	1.29	13250	0.73
19500	40.58	1.38	1.46	13300	0.73
20000	41.58	1.41	1.52	13350	0.73
20500	47.55	1.41	1.53	13400	0.73
21000	44.91	1.43	1.52	13450	0.74
21500	38.43	1.48	1.50	13500	0.74
22000	34.86	1.55	1.49	13550	0.74
22500	32.51	1.59	1.50	13600	0.74
23000	32.84	1.55	1.45	13650	0.75
23500	35.20	1.52	1.48	13700	0.75
24000	37.24	1.53	1.57	13750	0.75
24500	39.46	1.60	1.70	13800	0.76
25000	41.64	1.70	1.80	13850	0.76
25500	49.22	1.86	1.88	13900	0.76
26000	37.08	2.06	1.96	13950	0.77
26500	34.24	2.16	2.07	14000	0.77
27000	31.92	2.14	2.17	14050	0.78
27500	35.56	2.11	2.28	14100	0.78
28000	39.68	2.20	2.47	14150	0.79
28500	38.01	2.46	2.70	14200	0.79
29000	36.13	2.67	2.93	14250	0.80
30000	31.96	3.04	3.92	14300	0.81
31000	28.04	2.53	2.28	14350	0.82
32000	26.23	2.46	2.60	14400	0.82



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