

Coaxial Band Pass Filter

ZVBP-4300-S+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C
10	72.11	77.25	75.62	0.00	0.00	0.01	0.01	0.01	0.01
50	89.97	95.66	86.59	0.02	0.03	0.03	0.02	0.03	0.03
300	109.80	117.17	97.31	0.10	0.10	0.11	0.10	0.11	0.11
1075	104.53	116.12	128.74	0.09	0.12	0.14	0.07	0.12	0.12
2325	104.01	103.31	118.95	0.04	0.11	0.15	0.02	0.12	0.16
2600	106.61	111.01	99.92	0.03	0.11	0.16	0.03	0.14	0.17
3075	95.54	97.09	95.40	0.05	0.14	0.19	0.05	0.17	0.21
3610	78.67	78.50	78.59	0.07	0.16	0.20	0.08	0.19	0.23
3700	74.03	73.99	73.88	0.08	0.16	0.20	0.08	0.20	0.23
3930	58.54	58.42	58.36	0.09	0.17	0.21	0.09	0.20	0.23
4100	38.18	37.87	37.66	0.14	0.21	0.24	0.14	0.24	0.26
4140	30.67	30.22	29.92	0.17	0.26	0.28	0.17	0.28	0.29
4180	20.82	20.13	19.67	0.30	0.40	0.44	0.28	0.41	0.43
4190	17.81	17.03	16.50	0.39	0.50	0.56	0.37	0.51	0.54
4216	8.63	7.65	6.97	1.29	1.68	1.99	1.23	1.65	1.93
4220	7.13	6.16	5.50	1.71	2.26	2.71	1.63	2.21	2.63
4228	4.30	3.52	3.00	3.24	4.35	5.33	3.13	4.26	5.18
4236	2.15	1.73	1.48	6.42	8.58	10.65	6.24	8.40	10.32
4240	1.46	1.23	1.11	8.97	11.95	15.04	8.74	11.65	14.44
4242	1.20	1.06	0.99	10.56	14.09	18.01	10.28	13.69	17.11
4248	0.76	0.80	0.82	17.07	23.66	32.35	16.56	22.46	27.62
4250	0.69	0.76	0.81	20.13	28.47	28.83	19.44	26.52	27.19
4256	0.58	0.72	0.79	30.98	25.15	21.16	30.95	25.53	21.29
4260	0.57	0.71	0.79	26.27	22.16	19.67	27.25	22.56	19.81
4262	0.56	0.71	0.79	24.53	21.46	19.40	25.30	21.81	19.52
4264	0.56	0.71	0.79	23.42	21.09	19.36	24.05	21.41	19.44
4270	0.55	0.69	0.77	22.54	21.52	20.41	22.92	21.69	20.31
4284	0.51	0.65	0.72	30.48	31.84	31.95	29.19	28.49	27.14
4286	0.50	0.65	0.71	33.73	36.18	36.89	30.80	29.44	27.92
4288	0.50	0.65	0.71	38.78	44.38	47.07	31.96	29.74	28.11
4298	0.50	0.64	0.71	29.64	28.54	27.59	27.60	25.77	24.67
4300	0.50	0.65	0.71	28.04	27.20	26.34	26.65	25.08	24.07
4304	0.50	0.65	0.72	25.93	25.43	24.68	25.35	24.20	23.27
4318	0.51	0.66	0.73	24.49	24.10	23.46	26.05	25.33	24.23
4322	0.51	0.66	0.73	24.82	24.14	23.55	27.65	26.61	25.38
4326	0.52	0.67	0.74	24.88	23.85	23.42	29.33	27.67	26.50
4340	0.56	0.71	0.78	20.82	20.44	20.91	23.47	23.53	24.63
4346	0.58	0.74	0.80	19.26	19.53	20.31	21.15	22.05	23.60
4350	0.60	0.75	0.82	18.80	19.53	20.46	20.42	21.87	23.55
4356	0.61	0.77	0.85	19.27	20.66	21.09	20.65	22.72	23.20
4358	0.61	0.78	0.87	19.80	21.21	20.90	21.08	22.93	22.23
4362	0.63	0.82	0.94	21.33	21.21	18.81	22.11	21.49	18.79
4370	0.77	1.11	1.38	18.01	13.94	11.66	17.04	13.43	11.29
4378	1.39	2.09	2.62	9.79	7.51	6.36	9.32	7.27	6.16
4390	4.21	5.46	6.28	3.45	2.80	2.51	3.29	2.74	2.45
4400	7.93	9.29	10.12	1.54	1.40	1.37	1.45	1.40	1.35
4480	32.20	32.91	33.36	0.18	0.31	0.38	0.18	0.35	0.41
4500	36.31	36.95	37.36	0.15	0.27	0.34	0.16	0.32	0.38
4520	39.99	40.57	40.95	0.15	0.26	0.32	0.14	0.30	0.36
4600	51.74	52.21	52.50	0.11	0.23	0.28	0.11	0.26	0.31
4780	69.31	69.66	69.97	0.10	0.21	0.25	0.10	0.24	0.28
4840	73.54	74.05	74.30	0.09	0.20	0.24	0.09	0.23	0.27
4900	77.57	77.87	78.24	0.08	0.19	0.23	0.09	0.23	0.27
5025	84.92	85.60	84.64	0.08	0.19	0.23	0.10	0.23	0.27
5225	93.54	94.16	94.68	0.07	0.19	0.22	0.09	0.22	0.26
5500	101.82	100.21	104.57	0.07	0.19	0.22	0.08	0.21	0.25
5650	110.92	108.89	104.75	0.07	0.18	0.21	0.07	0.20	0.23
6875	111.35	98.78	104.15	0.02	0.14	0.14	0.06	0.19	0.20
7575	111.93	117.95	106.32	0.02	0.11	0.10	0.02	0.15	0.17
8000	119.64	106.65	100.46	0.03	0.10	0.09	0.02	0.16	0.18

Typical Performance Data

FREQ.	GROUP DELAY		
	(nsec)		
	(MHz)	@-40°C	@+25°C
4250	8.74	8.28	7.98
4252	8.45	8.00	7.71
4254	8.16	7.74	7.48
4256	7.89	7.50	7.26
4258	7.64	7.30	7.08
4260	7.42	7.12	6.93
4262	7.23	6.96	6.79
4264	7.06	6.83	6.69
4266	6.92	6.71	6.59
4268	6.79	6.62	6.51
4270	6.69	6.53	6.44
4272	6.60	6.47	6.39
4274	6.52	6.41	6.34
4276	6.46	6.36	6.30
4278	6.39	6.31	6.26
4280	6.35	6.27	6.23
4282	6.30	6.23	6.19
4284	6.26	6.20	6.16
4286	6.22	6.16	6.13
4288	6.18	6.13	6.10
4290	6.15	6.10	6.08
4292	6.12	6.08	6.06
4294	6.10	6.06	6.04
4296	6.07	6.04	6.02
4298	6.05	6.02	6.00
4300	6.03	6.00	6.00
4302	6.01	5.99	5.98
4304	6.00	5.98	5.98
4306	5.99	5.97	5.97
4308	5.98	5.98	5.98
4310	5.98	5.98	5.98
4312	5.99	5.99	5.99
4314	5.99	6.00	6.01
4316	6.00	6.01	6.02
4318	6.02	6.03	6.05
4320	6.04	6.06	6.07
4322	6.06	6.09	6.11
4324	6.08	6.12	6.14
4326	6.11	6.15	6.18
4328	6.15	6.18	6.22
4330	6.17	6.22	6.25
4332	6.21	6.26	6.30
4334	6.25	6.30	6.35
4336	6.29	6.35	6.40
4338	6.33	6.40	6.46
4340	6.37	6.45	6.53
4342	6.42	6.52	6.61
4344	6.48	6.59	6.69
4346	6.55	6.68	6.79
4348	6.62	6.77	6.91
4350	6.71	6.89	7.04