CATV Resonators

RO One Port SAW Resonators

Part Number	Resonant Freq. at 25°C		Insertion Loss (dB)		Quality Factor		Test Fixture Shunt Ind.	Ratings	Temperature Stability			
	Nominal F_c (MHz)	Tolerance ΔF_c(kHz)	Typ.	Max	Unloaded Q	50 Ω Loaded Q	L_{TEST} (nH)	CW RF Power Dissi-pation (dBm)	Turnover Temp. T_O (°C)			Turnover Frequency F_O (KHz)
							Typ.	Value	Min.	Typ.	Max.	Typ.
Notes	2, 3, 4, 5		2, 5, 6		5, 6, 7		2, 7		6, 7, 8			
RO2001	567.15	±100	6.0	7.0	9,600	4,800	72	5	56	71	86	f_c+44
RO2153	574.00	±100	4.3	7.0	9,500	3,700	70	10	54	69	84	f_c+35
RO2002	668.15	±100	6.0	7.0	9,380	4,800	60	5	44	59	74	f_c+29
RO2129A	670.65	±100	4.7	7.0	11,500	4,800	81	10	26	41	56	f_c
RO2003	674.15	±100	4.7	7.0	9,330	3,920	50	5	50	65	80	f_c+40
RO2003A	674.15	±100	4.0	7.0	10,200	3,700	64	5	26	41	56	f_c+5.5
RO2185A	910.15	±100	10.0	12.5	TBD	TBD	TBD	5	TBD	TBD	TBD	TBD

RP and RS Two-Port Resonators

Part Number	Nom. Phase	Resonant Freq. at 25°C		Insertion Loss (dB)		Quality Factor		Ratings	Temperature Stability			
		Nominal F_c (MHz)	Tolerance ΔF_c(kHz)	Typ.	Max	Unloaded Q	50 Ω Loaded Q	CW RF Power Dissipation (dBm)	Turnover Temp. T_O (°C)			Turnover Frequency F_O (KHz)
								Value	Min.	Typ.	Max.	Typ.
Notes		2, 3, 4, 5		2, 5, 6		5, 6, 7			6, 7, 8			
RP1236	180°	312.0	±250	8.1	13.0	14,000	8,500	0	24	39	54	f_c+2.3
RP1316	180°	479.5	±150	6.1	8.0	11,900	6,000	5	40	55	70	f_c+16
RP1046	180°	567.03	±100	9.7	12.5	8,500	5,700	5	67	82	97	f_c+68
RP1105	180°	640.0	±100	9.1	12.5	9,600	5,600	5	64	79	94	f_c+69
RP1310	180°	662.53	±100	5.6	12.0	8,800	4,200	5	26	41	56	f_c+6.3
RP1033	180°	668.03	±100	10.9	12.5	8,600	6,100	5	62	77	92	f_c+67
RS1033-1	0°	668.03	±100	10.4	12.5	9,100	6,400	5	66	81	96	f_c+78
RP1032	180°	674.03	±100	8.9	12.5	8,400	5,400	5	58	73	88	f_c+58
RS1032-1	0°	674.03	±100	8.3	12.5	9,500	5,900	5	55	70	85	f_c+50
RP1035-4	180°	680.03	±100	8.5	12.5	8,800	5,500	10	56	71	86	f_c+53
RS1033-5	0°	680.1	±100	9.1	12.5	9,300	5,800	5	50	65	80	f_c+41
RS1035-5	0°	680.1	±100	9.1	12.5	8,600	5,500	5	48	63	78	f_c+36
RP1104	180°	824.25	±150	9.0	9.5	7,100	4,500	5	66	81	96	f_c+96
RP1312	180°	854.0	±100	9.5	12.5	6,600	4,500	5	15	30	45	f_c+0.8

CATV Resonators

RO One Port SAW Resonators

Part Number	Motional Res. R_m (Ω)		Motional Cap. C_m (fF)	Motional Ind. L_m (µH)	Shunt Static Cap. C_O (pF)			Packaging		Application - For Reference Only	
	Typ.	Max	Typ.	Typ.	Min.	Typ.	Max.	Case Style	Lid Symbol	Typ. 2nd LO Freq. (MHz)	Typical IF Freq. (MHz)
Notes	5, 6, 7, 9										
RO2001	100	124	0.292315	269.397	0.8	1.1	1.4	TO39	RO2001	567.0	45
RO2153	64	124	0.466803	168.771	0.8	1.1	1.4	TO39	RO2153	574.05	574.00
RO2002	100	124	0.253947	223.434	0.7	1.0	1.3	TO39	RO2002	668.0	57
RO2129A	71	124	0.290209	194.027535	0.3	0.6	0.9	SM-2	126	670.5	670.65
RO2003	72	124	0.351440	158.590	0.8	1.1	1.3	TO39	RO2003	674.0	63
RO2003A	58	124	0.399058	139.666	0.6	0.9	1.2	SM-2	122	674.0	63
RO2185A	TBD	TBD	TBD	TBD	TBD	TBD	TBD	SM-2	TBD	910.1	910.15

RP and RS Two-Port Resonators

Part Number	Motional Res. R_m (Ω)		RF Equivalent		RLC Model			Packaging	Lid Symbol	Application - For Reference Only	
			Motional Cap. C_m (fF)	Motional Ind. L_m (µH)	Shunt Static Cap. C_O (pF)			Case Style		Typ. 2nd LO Freq. (MHz)	Typical IF Freq. (MHz)
	Typ.	Max	Typ.	Typ.	Min.	Typ.	Max.				
Notes	5, 6, 7, 9										
RP1236	154	347	0.236938	1.09824	1.3	1.6	1.9	TO39	P1236	312.75	312.00
RP1316	102	152	0.274036	402.027	1.2	2.0	2.8	TO39	P1316	479.5	"Special" See Note 5
RP1046	205	322	0.159076	495.249	1.4	1.7	2.0	TO39	RF1046	567.0	45
RP1105	185	322	0.156356	395.520	1.4	1.7	2.0	TO39	P1105	639.9	"Special" See Note 5
RP1310	90	299	0.302198	190.958	2.3	2.6	2.9	TO39	P1310	662.5	"Special" See Note 5
RP1033	251	322	0.109805	516.921	1.1	1.4	1.7	TO39	1033-2	668.0	57
RS1033-1	230	322	0.113829	498.647	1.1	1.4	1.7	TO39	1033-1	668.0	57
RP1032	180	322	0.155461	358.641	1.3	1.6	1.9	TO39	1032-3	674.0	63
RS1032-1	160	322	0.154613	360.609	1.3	1.6	1.9	TO39	1032-1	674.0	63
RP1035-4	166	322	0.159128	344.222	1.4	1.7	2.0	TO39	1035-4	680.0	69
RS1033-5	165	322	0.153984	368.537	1.3	1.6	1.9	TO39	1033-5	680.0	69
RS1035-5	186	322	0.146297	374.334	1.3	1.6	1.9	TO39	1035-5	680.0	69
RP1104	182	199	0.150284	248.091	1.2	1.5	1.8	TO39	P1104	824.05	See note 4
RP1312	199	322	0.136997	253.520	1.3	1.6	1.9	TO39	P1312	854.0	"Special" See Note 5