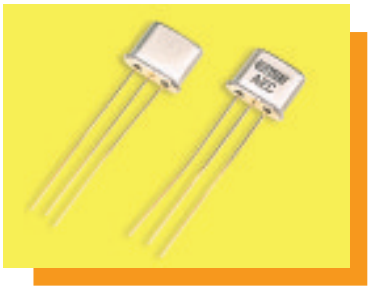
Features

- Low insertion loss
- ★ High selectivity



Applications

- ★ Pager, SSB
- ★ Portable telephone
- ★ Cordless telephone
- ★ VHF radio

Specifications (Characteristics)

For normal 10.7MHz series

Type	Nominal Freq. (MHz)	Pole	Pass Band		Stop Band				Ripple (dB)	Loss (dB)	Guaranteed attenuation		Terminating impedance Ω//pF	Operating temp. range (˚c)	Case
			dB	KHz	dB	KHz	dB	KHz			dB	fo±KHz			
10L071A		2	3	±3.75	20	±18.0			0.5	1.5	35	±300~ ±1000	1.8K//5.0	-20 ~ +70	HC-49/U.3S*1
10L072A	10.695	4	3	±3.75	40	±14.0			1.0	2.5	65	±300~ ±1000	1.8K//4.5	-20 ~ +70	HC-49/U.3S*2
10L073A	I	6	3	±3.75	45	±8.75	65	±12.5	2.0	3.0	65	±12.5~ ±300	3.3K//2.0	-20 ~ +70	L-1
10L074A	10.700	8	3	±3.75	65	±8.75	90	±12.5	2.0	4.0	90	±12.5~ ±300	3.3K//2.0	-20 ~ +70	L-2
10L075A		10	6	±3.75	75	±8.75	90	±10.5	2.0	5.0	90	±10.5~ ±300	3.3K//2.0	-20 ~ +70	L-3
10L121A		2	3	±6.00	20	±25.0			0.5	1.5	35	±300~ ±1000	2.5K//2.5	-20 ~ +70	HC-49/U.3S*1
10L122A	10.695	4	3	±6.00	40	±20.0			1.0	2.5	65	±300~ ±1000	2.5K//1.5	-20 ~ +70	HC-49/U.3S*2
10L123A	I	6	3	±6.00	45	±14.0	65	±20.0	2.0	3.0	65	±20.0~ ±300	2.5K//1.5	-20 ~ +70	L-1
10L124A	10.700	8	3	±6.00	65	±14.0	90	±20.0	2.0	4.0	90	±20.0~ ±300	2.5K//1.5	-20 ~ +70	L-2
10L125A		10	6	±6.00	75	±14.0	90	±16.0	2.0	5.0	90	±16.0~ ±300	2.5K//1.5	-20 ~ +70	L-3
10L151A		2	3	±7.50	18	±25.0			0.5	1.5	35	±300~ ±300	3.0K//2.0	-20 ~ +70	HC-49/U.3S*1
10L152A	10.695	4	3	±7.50	40	±25.0			1.0	2.5	65	±300~ ±1000	3.0K//1.5	-20 ~ +70	HC-49/U.3S*2
10L153A	I	6	3	±7.50	45	±17.5	65	±25.0	2.0	3.0	65	±25.0~ ±300	3.3K//1.5	-20 ~ +70	L-1
10L154A	10.700	8	3	±7.50	65	±17.5	90	±25.0	2.0	4.0	90	±25.0~ ±300	3.3K//1.5	-20 ~ +70	L-2
10L155A		10	6	±7.50	75	±16.0	90	±18.0	2.0	5.0	90	±18.0~ ±300	3.3K//1.0	-20 ~ +70	L-3
10L301A	10.695	2	3	±15.0	15	±50.0			0.5	1.5	30	±300~ ±1000	5.0K//0	-20 ~ +70	HC-49/U.3S*1
10L302A	I	4	3	±15.0	30	±40.0			1.0	2.5	65	±300~ ±1000	5.5K//-1.0	-20 ~ +70	HC-49/U.3S*2
10L303A		6	3	±15.0	60	±45.0			2.0	3.0	65	±45.0~ ±300	5.5K//-1.0	-20 ~ +70	L-1
10L304A	10.700	8	3	±15.0	60	±30.0	90	±50.0	2.0	4.0	90	±50.0~ ±300	5.5K//-1.0	-20 ~ +70	L-2
For normal 21.4MHz series															
21S081A		2	3	±3.75	20	±18.0			0.5	1.5	35	±300~ ±1000	850//6.0	-20 ~ +70	UM-1.3S*1
21S082A	21.400	4	3	±3.75	40	±14.0			1.0	2.5	65	±300~ ±1000	850//5.0	-20 ~ +70	UM-1.3S*2
21S083A	I	6	3	±3.75	45	±8.75	65	±12.5	2.0	3.0	65	±12.5~ ±300	850//5.0	-20 ~ +70	S-1, M-1
21S084A	21.800	8	3	±3.75	65	±8.75	90	±12.5	2.0	4.0	90	±12.5~ ±300	850//5.0	-20 ~ +70	S-2, M-2
21S085A		10	6	±3.75	75	±8.75	90	±10.5	2.0	5.0	90	±10.5~ ±300	850//5.0	-20 ~ +70	S-3, M-3
21S121A		2	3	±6.00	20	±25.0			0.5	1.5	35	±300~ ±1000	1.2K//3.0	-20 ~ +70	UM-1.3S*1
21S122A	21.400	4	3	±6.00	40	±20.0			1.0	2.5	65	±300~ ±1000	1.2K//2.5	-20 ~ +70	UM-1.3S*2
21S123A	I	6	3	±6.00	45	±14.0	65	±20.0	2.0	3.0	65	±20.0~ ±300	1.2K//2.5	-20 ~ +70	S-1, M-1
21S124A	21.800	8	3	±6.00	65	±14.0	90	±20.0	2.0	4.0	90	±20.0~ ±300	1.2K//2.5	-20 ~ +70	S-2, M-2
21S125A		10	6	±6.00	75	±14.0	90	±16.0	2.0	5.0	90	±16.0~ ±300	1.2K//2.5	-20 ~ +70	S-3, M-3
21S151A		2	3	±7.50	18	±25.0			0.5	1.5	35	±300~ ±1000	1.5K//2.5	-20 ~ +70	UM-1.3S*1
21S152A	21.400	4	3	±7.50	40	±25.0			1.0	2.5	65	±300~ ±1000	1.5K//2.0	-20 ~ +70	UM-1.3S*2
21S153A	I	6	3	±7.50	45	±17.5	65	±25.0	2.0	3.0	65	±25.0~ ±300	1.5K//2.0	-20 ~ +70	S-1, M-1
21S154A	21.800	8	3	±7.50	65	±17.5	90	±25.0	2.0	4.0	90	±25.0~ ±300	1.5K//2.0	-20 ~ +70	S-2, M-2
21S155A		10	6	±7.50	75	±16.0	90	±18.0	2.0	5.0	90	±18.0~ ±300	1.5K//2.0	-20 ~ +70	S-3, M-3
21S301A		2	3	±15.0	15	±45.0			0.5	1.5	30	±300~ ±1000	1.5K//1.0	-20 ~ +70	UM-1.3S*1
21S302A	21.400	4	3	±15.0	40	±50.0			1.0	2.5	65	±300~ ±1000	2.2K//0.5	-20 ~ +70	UM-1.3S*2
21S303A	I	6	3	±15.0	45	±35.0	65	±50.0	2.0	3.0	65	±50.0~ ±300	2.2K//0.5	-20 ~ +70	S-1, M-1
21S304A	21.800	8	3	±15.0	65	±35.0	90	±50.0	2.0	4.0	90	±50.0~ ±300	2.2K//0.5	-20 ~ +70	S-2, M-2
For pager															
21S151A	21.400	2	3	±3.75	18	±25.0			1.0	1.5	35	±300~ ±1000	1.5K//2.5	-20 ~ +70	UM-1.3S*1
21T151A	I	2	3	±3.75	18	±25.0			1.0	1.5	35	±300~ ±1000	1.5K//2.0	-20 ~ +70	UM-5.3S*2
21T201A	21.800	2	3	±10.0	15	±30.0			1.0	1.5	35	±300~ ±1000	1.8K//1.5	-20 ~ +70	UM-53S*2

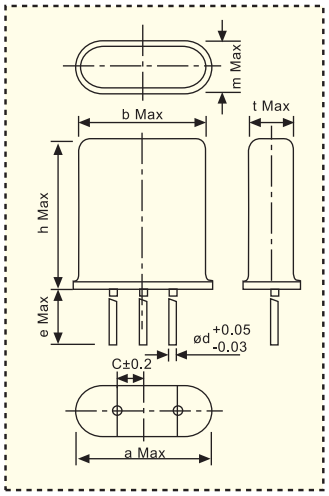
For cordless telephone

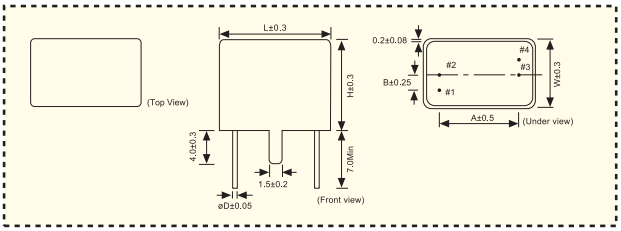
Type	Nominal Freq. (MHz)	Pole	Pass Band		Stop Band				Ripple (dB)	Loss (dB)	Guaranteed attenuation		Terminating impedance Ω//pF	Operating temp. range (˚c)	Case
			dB	KHz	dB	KHz	dB	KHz			dB	fo±KHz			
10L151A	10.700	2	3	±7.5	18	±25.0			0.5	2.0	35	±300~ ±1000	3.0K//2.0	-20 ~ +70	HC-49/U.3S*1
21S071A	21.400	2	3	±3.75	18	±12.5			1.0	2.0	60	-(910±10)	1.5K//6.0	-20 ~ +70	UM-1.3S*2
21S122A	I	4	3	±6.0	40	±20.0			1.5	3.0	80	±(910±10)	1.2K//2.5	-20 ~ +70	UM-1.3S*2
21S152A	21.800	4	3	±7.5	40	±25.0			1.5	3.0	80	±(910±10)	1.5K//2.0	-20 ~ +70	UM-1.3S*2
58S072AT	58.075	4	3	±3.75	35	±14.0			2.0	4.0	80	±(910±10)	3.0K//-0.4	-20 ~ +70	UM-1.3S*2
58S122AT	58.1125	4	3	±6.0	35	±20.0			2.0	3.0	80	±(910±10)	3.0K//-0.4	-20 ~ +70	UM-1.3S*2
58S152AT	58.1625	4	3	±7.5	28	±25.0			2.0	3.0	80	±(910±10)	3.0K//-1.0	-20 ~ +70	UM-1.3S*2
83S302AT	83.160	4	3	±15.0	20	±60.0			1.5	6.0	65	±(910±10)	2.5K//-1.0	-20 ~ +70	UM-1.3S*2
For portable telephone															
45S301AF		2	3	±15.0	15	±50.0			1.0	2.0	50	-(910±10)	600//1.5	-20 ~ +70	UM-1.3S*1
45T301AF		2	3	±15.0	15	±50.0			1.0	2.0	50	-(910±10)	600//1.5	-20 ~ +70	UM-5.3S*1
45N401AF	45.000	2	2	±20.0	15	±60.0			1.0	2.0	50	-(910±10)	860//-1.7	-20 ~ +70	UM-4.3S*1
45T151AF		2	3	±7.5	15	±22.0			1.0	2.0	66	-(910±10)	470//6.0	-20 ~ +70	UM-5.3S*1
45S152AF	45.050	4	3	±7.5	40	±30.0			1.0	3.0	80	±300~ ±1000	560//3.0	-20 ~ +70	UM-1.3S*2
45T152AF		4	3	±7.5	40	±30.0			1.0	3.0	80	±300~ ±1000	560//3.0	-20 ~ +70	UM-5.3S*2
45T302AF	45.100	4	3	±15.0	30	±60.0			1.0	3.0	80	±10	1.6K//0	-20 ~ +70	UM-5.3S*2
70T202AT	70.000	4	3	±10.0	35	±40.0			2.0	6.0	70	±300~ ±1000	2.5K//-1.0	-20 ~ +70	UM-5.3S*2
90T092AT	90.000	4	3	±4.5	13	±12.5			2.0	6.0	70	-(910±10)	2.5K//-1.0	-20 ~ +70	UM-5.3S*2
For VHF radio															
45L152AT	45.000	4	3	±7.50	40	±30.0			2.0	3.0	70	±300~ ±1000	3.0K//-1.0	-20 ~ +70	HC-49/U.3S*2
45S152AT		4	3	±7.50	40	±30.0			2.0	3.0	70	±300~ ±1000	3.0K//-1.0	-20 ~ +70	UM-1.3S*2
55L171AT	55.845	2	3	±8.50	18	±34.0			2.0	3.0	35	±300~ ±1000	3.0K//-1.0	-20 ~ +70	HC-49/U.3S*1
55S171AT		2	3	±8.50	18	±34.0			2.0	3.0	35	±300~ ±1000	3.0K//-1.0	-20 ~ +70	UM-1.3S*1
55S172AT	55.025	4	3	±8.50	25	±25.0			2.0	3.0	70	±300~ ±1000	3.0K//-1.0	-20 ~ +70	UM-1.3S*2
58S172AT	58.1125	4	3	±8.50	25	±25.0			2.0	4.0	70	±300~ ±1000	3.0K//-1.0	-20 ~ +70	UM-1.3S*2
70S152AT	70.000	4	3	±7.50	40	±30.0			2.0	6.0	70	±300~ ±1000	2.5K//-1.0	-20 ~ +70	UM-1.3S*2
90S202AT	90.000	4	3	±10.0	35	±40.0			2.0	6.0	70	±300~ ±1000	2.5K//-1.0	-20 ~ +70	UM-1.3S*2
For SSB															
10L023A	10.695	6	6	±1.10	20	±1.70	60	±3.00	2.0	3.0	70	±4~ ±1000	600//15.0	-20 ~ +70	L-1, L-5
10L024A	I	8	6	±1.10	20	±1.50	60	±2.50	2.0	4.0	80	±3~ ±1000	600//15.0	-20 ~ +70	L-2, L-6
10L044A	10.700	8	6	±2.10	15	±2.45	60	±4.00	2.0	4.0	80	±6~ ±1000	1.0K//8.0	-20 ~ +70	L-2, L-6

Dimension (Unit: mm)

Case	L	W	H	A	B	ØD
S-1	8.5	8.5	11.5	5.0	2.0	0.35
S-2	11.0	8.5	11.5	7.4	2.0	0.35
S-3	13.4	8.5	11.5	9.8	2.0	0.35
M-1	10.0	8.5	11.5	6.0	2.0	0.35
M-2	13.4	8.5	11.5	8.6	2.0	0.35
M-3	16.0	8.5	11.5	11.8	2.0	0.35
L-1	15.0	12.0	15.0	9.0	2.5	0.43
L-2	18.5	12.0	15.0	13.4	2.5	0.43
L-3	23.0	12.0	15.0	17.8	2.5	0.43
L-4	28.0	12.0	15.0	22.2	2.5	0.43
L-5	15.0	12.0	20.0	9.0	2.5	0.43
L-6	18.5	12.0	20.0	13.4	2.5	0.43

Holder	a	b	t	m	h	e(min)	c	Ød
UM-1.3S	7.9	7.0	2.4	3.2	8.2	18.0	1.9	0.35
UM-13S Slim	7.9	7.0	2.0	2.6	8.2	18.0	1.9	0.35
UM-4.3S	7.9	7.0	2.4	3.2	4.7	18.0	1.9	0.35
UM-5.3S	7.9	7.0	2.4	3.2	6.0	18.0	1.9	0.35
UM-5.3S Slim	7.9	7.0	2.0	2.6	6.0	18.0	1.9	0.35
HC-49/U.3S	11.05	10.3	3.8	4.65	13.1	13.2	2.44	0.43
HC-49/U1.3S	11.05	10.3	3.8	4.65	9.5	13.2	2.44	0.43
HC-49/U2.3S	11.05	10.3	3.8	4.65	11.0	13.2	2.44	0.43
HC-49/U3.3S	11.05	10.3	3.8	4.65	11.4	13.2	2.44	0.43



Part Number and Ordering

Part Number Code	Part Number + Frequency
Ordering Code	Same as Above
Example	10L121A-10.7M