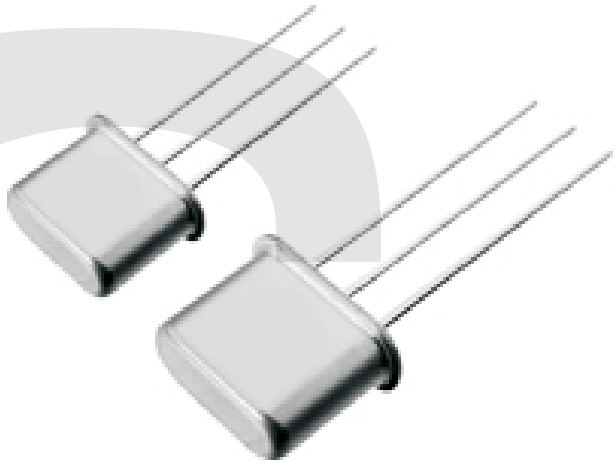
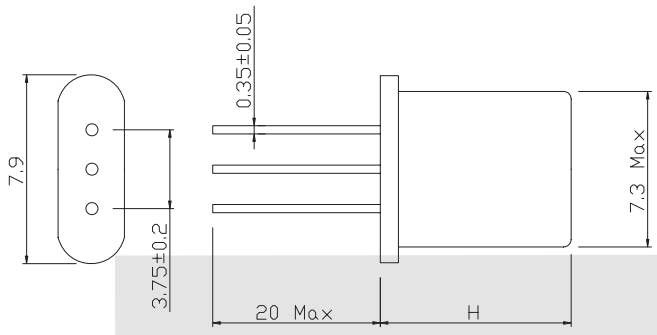
Quartz Crystal Filter Series

KLS14-7DUA-UM-1&UM-5 Quartz Crystal Filter Series

ELECTRICAL SPECIFICATIONS
Center Frequency: 10.7MHZ, 45MHZ
Insertion loss: 2.0dB
Operating temperature: -20ºC~+70ºC
Fluctuation band: 1.0dB

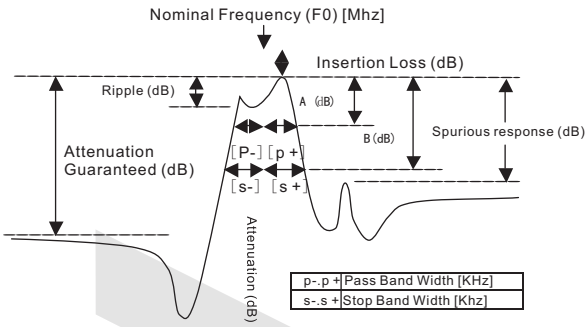
FEATURE
Low insertion loss
High selectivity
APPLICATIONS
UFH and VHF radio
Pagers
Wireless telemetry
Wireless LAN



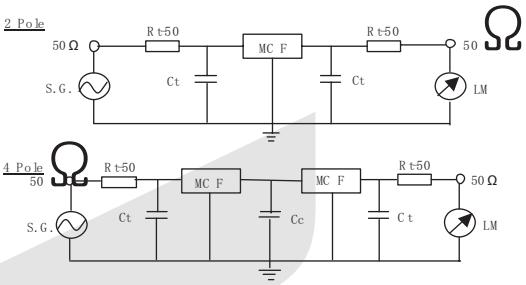


Mode	H
UM-1	5.0
UM-5	6.0

Output Waveform



Test Circuit



ORDER INFORMATION

KLS14- UM-1 -X X X

Part Number
Crystal Filter Series Package
Frequency
2x (pass band width @ 3dB)
A: 2 poles B: 4 poles

Quartz Crystal Filter Series

KLS14-7DUA-UM-1&UM-5 Quartz Crystal Filter Series

Model	Center Frequency (MHz)	No. of Poles	Pass Band Width at-3db (KHz)	Stop Band Width (KHz/Db)	Ripple (db)	Insertion Loss (Db)	Terminal Impedance (Ω//Pf)	Operating Temp. Range	Case
21M07A	21.4	2	±3.75	±14/18	0.5	1.5	850//7	-20~+70℃	UM-1/5
21M09A	21.4	2	±4.50	±12.5/14	0.5	1.5	850//7	-20~+70℃	UM-1/5
21M12A	21.4	2	±6.00	±20/15	0.5	1.5	1.2K//2.5	-20~+70℃	UM-1/5
21M15A1	21.4	2	±7.50	±25/18	0.5	1.5	1.5K//3	-20~+70℃	UM-1/5
21M15A2	21.4	2	±7.50	±30/18	0.5	2	1.5K//3	-20~+70℃	UM-1/5
21M15A3	21.4	2	±7.50	±30/18	1	2	1.5K//2	-20~+70℃	UM-1/5
21M20A	21.4	2	±10.0	±25/10	0.5	1.5	1.8K//1.5	-20~+70℃	UM-1/5
21M30A	21.4	2	±15.0	±45/15	0.5	1.5	3.0K//0.5	-20~+70℃	UM-1/5
21P07A	21.6	2	±3.75	±14/18	0.5	1.5	850//5	-20~+70℃	UM-1/5
21P12A	21.6	2	±6.00	±20/15	0.5	1.5	1.2k//2.5	-20~+70℃	UM-1/5
21P15A	21.6	2	±7.50	±25/18	0.5	1.5	1.5k//3	-20~+70℃	UM-1/5
21T07A1	21.7	2	±3.75	±14/18	0.5	1.5	850//5	-20~+70℃	UM-1/5
21T07A2	21.7	2	±3.75	±15/18	0.5	1.5	850//6	-20~+70℃	UM-1/5
21T09A	21.7	2	±4.50	±12.5/14	0.5	1.5	1.5k//4	-20~+70℃	UM-1/5
21T12A	21.7	2	±6.00	±20/15	0.5	1.5	1.2k//2.5	-20~+70℃	UM-1/5
21T15A	21.7	2	±7.50	±25/18	0.5	1.5	1.5k//3	-20~+70℃	UM-1/5
21T20A	21.7	2	±10.0	±25/10	0.5	1.5	1.8k//1.5	-20~+70℃	UM-1/5
21T30A	21.7	2	±15.0	±45/15	0.5	1.5	3.0k//0.5	-20~+70℃	UM-1/5
21S07A	21.75	2	±3.75	±25/18	0.5	1.5	1.5k//3	-20~+70℃	UM-1/5
23M07A	23.05	2	±3.75	±12.5/16	0.5	1.5	1.6k/5	-20~+70℃	UM-1/5
23M15A	23.05	2	±7.50	±25/18	0.5	1.5	1.5k//3	-20~+70℃	UM-1/5
30M15A	30.875	2	±7.50	±25/15	0.5	1.5	800//6	-20~+70℃	UM-1/5
45M07A	45	2	±3.75	±12.5/10	0.5	1.5	510//5.5	-20~+70℃	UM-1/5
45M15A	45	2	±7.50	±25/14	0.5	1.5	550//3	-20~+70℃	UM-1/5
45M30A	45	2	±15.0	±50/10	0.5	1.5	510//5.5	-20~+70℃	UM-1/5
21M07B	21.4	4	±3.75	±14/40	1	2	580//5	-20~+70℃	UM-1/5
21M08B	21.4	4	±4.00	±16/40	1	2	1k//4	-20~+70℃	UM-1/5
21M12B	21.4	4	±6.00	±20/40	1	2	1.2k//2.5	-20~+70℃	UM-1/5
21M15B	21.4	4	±7.50	±25/40	1	2	1.5k//2	-20~+70℃	UM-1/5
21M15B2	21.4	4	±7.50	±30/40	1	2	1.5k//2	-20~+70℃	UM-1/5
21M15B3	21.4	4	±7.50	±30/40	1.5	3	1.5k//1	-20~+70℃	UM-1/5
21M30B	21.4	4	±15.0	±50/40	1	2	3.3k//0.5	-20~+70℃	UM-1/5
21P07B	21.6	4	±3.75	±14/40	1	2	850//5	-20~+70℃	UM-1/5
21P12B	21.6	4	±6.00	±20/40	1	2	1.2k//2.5	-20~+70℃	UM-1/5
21P15B	21.6	4	±7.50	±25/40	1	2	1.5k//2	-20~+70℃	UM-1/5
21T07B	21.7	4	±3.75	±14/40	1	2	850//5	-20~+70℃	UM-1/5
21T12B	21.7	4	±6.00	±20/40	1	2	1.2k//2.5	-20~+70℃	UM-1/5
21T15B	21.7	4	±7.50	±25/40	1	2	1.5k//2	-20~+70℃	UM-1/5
21T30B	21.7	4	±15.0	±50/40	1	2	3.3k//0.5	-20~+70℃	UM-1/5
30M15B	30.875	4	±7.5	±25/40	1	2.5	800/4	-20~+70℃	UM-1/5
45M15B	45	4	±7.5	±25/40	1	2.5	650/3	-20~+70℃	UM-1/5
45M30B	45	4	±15.0	±40/30	1	2.5	800/1.5	-20~+70℃	UM-1/5