

Crystal Filter

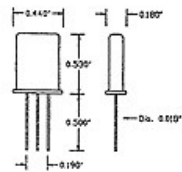
DATA SHEET										
VHF Radio Applications										
Part No	Nominal Freq. MHz	Pole	Pass Band dB/Khz	Stop Band dB/Khz	Ripple db	Loss dB	Attenuation dB/ FO ±KHz	Terminating Impedance	Operating Temp. °C	Holder
45R100	45.000	4	3 / ±7.5	40 / ±30.0	2.0	3.0	70±300-±1000	3.0KΩ// -1pF	-20 ~ +70	H1
45R101	45.000	4	3 / ±7.5	40 / ±30.0	2.0	3.0	70±300-±1000	3.0KΩ// -1pF	-20 ~ +70	H2
55R101	55.845	2	3 / ±8.5	18 / ±34.0	2.0	3.0	70±300-±1000	3.0KΩ// -1pF	-20 ~ +70	H1
55R101	55.845	2	3 / ±8.5	18 / ±34.0	2.0	3.0	70±300-±1000	3.0KΩ// -1pF	-20 ~ +70	H2
55R102	55.025	4	3 / ±8.5	25 / ±25.0	2.0	3.0	70±300-±1000	3.0KΩ// -1pF	-20 ~ +70	H1
58R100	58.1125	4	3 / ±8.5	25 / ±25.0	2.0	4.0	70±300-±1000	3.0KΩ// -1pF	-20 ~ +70	H2
70R100	70.000	4	3 / ±7.5	40 / ±30.0	2.0	6.0	70±300-±1000	2.5KΩ// -1pF	-20 ~ +70	H1
90R100	90.000	4	3 / ±10	35 / ±40.0	2.0	6.0	70±300-±1000	2.5KΩ// -1pF	-20 ~ +70	H2

Standard 10.7MHz MCF											
Part Number	Channel Spacing	Nominal Freq. MHz	Pole	Pass Band dB/ Khz	Stop Band dB/ Khz	Ripple dB	Loss dB	Attenuation dB/ FO ±KHz	Terminating Impedance	Operating Temp. °C	Holder
45R100	45.000	10.700	2	3/±7.5	20/±18.0	0.5	1.5	35±300-±1000	1.8KΩ// 5pF	-20 ~ +70	H1
45R101	45.000	10.700	4	3/±7.5	40/±14.0	1.0	2.5	65±300-±1000	1.8KΩ// 4.5pF	-20 ~ +70	H1
55R101	55.845	10.700	2	3/±6.0	20/±25.0	0.5	1.5	35±300-±1000	2.5KΩ//2.5pF	-20 ~ +70	H1
55R101	55.845	10.700	4	3/±6.0	40/±20.0	1.0	2.5	65±300-±1000	2.5KΩ//1.5pF	-20 ~ +70	H1
55R102	55.025	10.700	2	3/±7.5	18/±25.0	0.5	1.5	35±300-±1000	3.0KΩ//2.0pF	-20 ~ +70	H1
58R100	58.1125	10.700	4	3/±7.5	40/±25.0	1.0	2.5	65±300-±1000	3.0KΩ//1.5pF	-20 ~ +70	H1
70R100	70.000	10.700	2	3/±15.0	15/±50.0	0.5	1.5	35±300-±1000	5.0KΩ// 0pF	-20 ~ +70	H1
90R100	90.000	10.700	4	3/±15.0	30/±40.0	1.0	2.5	65±300-±1000	5.5KΩ// -1pF	-20 ~ +70	H1

Standard 21.4MHz MCF											
Part No	Channel Spacing	Nominal Freq. MHz	Pole	Pass Band dB/Khz	Stop Band dB/ Khz	Ripple dB	Loss dB	Attenuation dB/FO ±KHz	Terminating Impedance	Operating Temp. °C	Holder
21A100	12.5KHz	21.4~21.8	2	3/±7.5	20/±18.0	0.5	1.5	35±300-±1000	850Ω//6.0pF	-20 ~ +70	H2
21A101	12.5KHz	21.4~21.8	4	3/±7.5	40/±14.0	1.0	2.5	65±300-±1000	850Ω//5.0pF	-20 ~ +70	H2
21B100	20.0KHz	21.4~21.8	2	3/±6.0	20/±25.0	0.5	1.5	35±300-±1000	1.2KΩ//3.0pF	-20 ~ +70	H2
21B101	20.0KHz	21.4~21.8	4	3/±6.0	40/±20.0	1.0	2.5	65±300-±1000	1.2KΩ//2.5pF	-20 ~ +70	H2
21C100	25.0KHz	21.4~21.8	2	3/±7.5	18/±25.0	0.5	1.5	35±300-±1000	1.5KΩ//2.5pF	-20 ~ +70	H2
21C101	25.0KHz	21.4~21.8	4	3/±7.5	40/±25.0	1.0	2.5	65±300-±1000	1.5KΩ//2.0pF	-20 ~ +70	H2
21D100	50.0KHz	21.4~21.8	2	3/±15.0	15/±50.0	0.5	1.5	35±300-±1000	1.5KΩ// 1pF	-20 ~ +70	H2
21D101	50.0KHz	21.4~21.8	4	3/±15.0	30/±40.0	1.0	2.5	65±300-±1000	2.2KΩ// .5pF	-20 ~ +70	H2

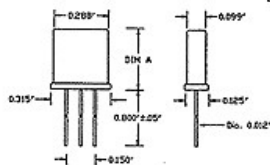
OUTLINE DRAWING

HOLDER H1



Note: 4 pole Filters require 2 matched units

HOLDER H2
DIM A = .475



DIM A = .475

Note: 4 pole Filters require 2 matched units