Thru-Hole

CRYSTAL FILTERS

TMCF 21.4 Series Filter

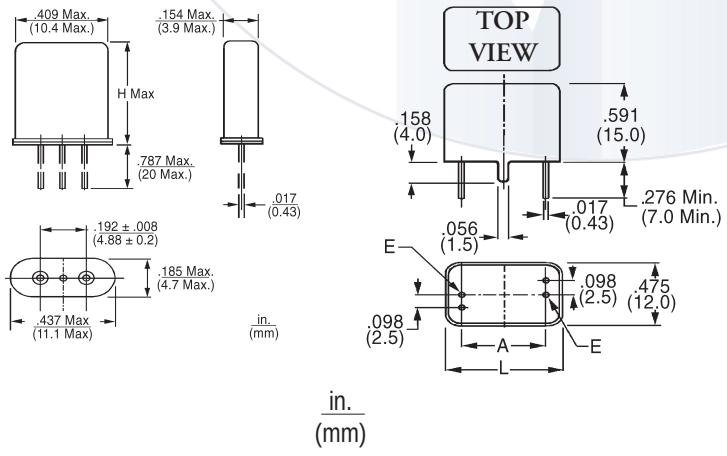
RoHS

Operating Temperature Range -30 to 75°C

MODEL	No. of Poles	Pass Bandwidth dB	Pass Bandwidth kHz	Stop Bandwidth dB	Stop Bandwidth kHz	Ripple dB	Insertion Loss dB	Guaranteed Attenuation dB	Terminating Impedance (kOhms//pF)	Package
T21M7.5A	2	3	±3.75	18	±14	0.5	2.0	20	0.85//5	A-5
T21M 7.5B	4	3	±3.75	40	±14	1.0	2.5	40	0.85//5.0	A-5 x2
T21M 7.5C	6	3	±3.75	60	±12.5	2.0	3.0	60	0.85//5.0	D-5
T21M 7.5D	8	3	±3.75	80	±12.5	2.0	4.0	90	0.85//5.0	E-5
T21M 12A	2	3	±6.0	18	±23	0.5	2.0	20	1.2//2.5	A-5
T21M 12B	4	3	±6.0	40	±20	1.0	2.5	40	1.2//2.0	A-5 x2
T21M 12C	6	3	±6.0	60	±20	2.0	3.0	65	1.6//2.0	D-5
T21M 12D	8	3	±6.0	80	±20	2.0	4.0	90	1.2//2.5	E-5
T21M 15A	2	3	±7.5	18	±25	0.5	1.5	20	1.5//2.0	A-5
T21M 15B	4	3	±7.5	40	±25	1.0	2.0	40	1.5//2.0	A-5 x2
T21M 15C	6	3	±7.5	60	±25	2.0	2.5	65	1.5//2.0	D-5
T21M 15D	8	3	±7.5	80	±25	2.0	3.0	90	1.5//2.0	E-5
T21M 20A	2	3	±10	18	±34	0.5	1.5	20	2.2//1.0	A-5
T21M 20B	4	3	±10	40	±34	1.0	2.0	40	2.2//1.0	A-5 x2
T21M 30A	2	3	±15	15	±50	0.5	1.5	20	3.0//0.0	A-5
T21M 30B	4	3	±15	30	±45	1.0	2.0	40	3.0//0.0	A-5 x2
T21N 15A	2	3	±7.5	18	±25	0.5	2.0	20	1.5//2.0	A-8
T21N 16A	2	3	±7.5	18	±25	0.5	2.0	20	1.6//1.0	A-8
T21N 20A	2	3	±10	13	±34	1.0	2.0	20	1.5//2.0	A-8
T26M 17A (1)	2	3	±8.5	14	±25	0.5	2.5	12	1.1//1.5	A-5
T29N 20A (2)	2	3	±10	10	±24.5	0.5	2.0	12	1.6//1.5	A-8

Note (1): Center frequency is 26.00 MHz.
Note (2): Center Frequency is 29.00 MHz.
Note (3): A-5 x2 is a pair of A-5 crystals matched to achieve multiple poles.

TMCF package



Case Code	H	Holder
A-5	0.319 (8.1)	UM-1
A-8	0.236 (6.0)	UM-5

Case Code	A	L
D-5	0.43	0.291
	(11.0)	(7.4)
E-5	0.386	0.528
	(13.4)	(9.8)

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