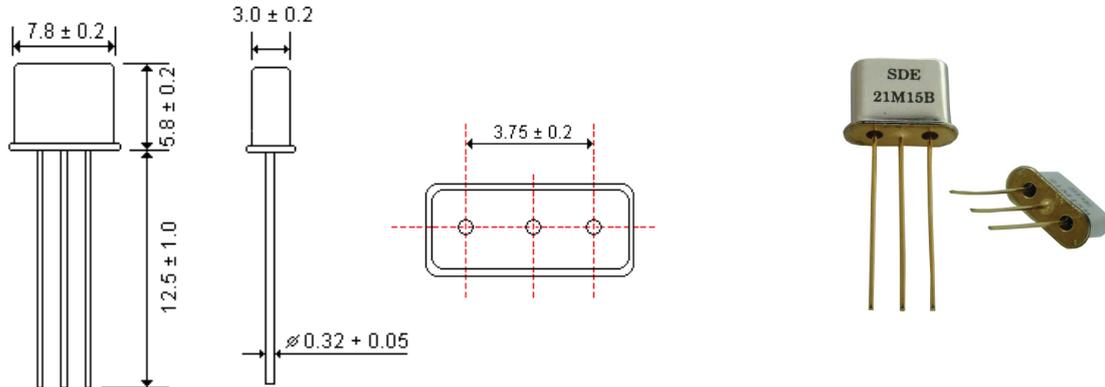




DESCRIPTION

This specification shall cover the characteristics of crystal filter unit UM5.

MECHANICAL DIMENSIONS (all in mm)



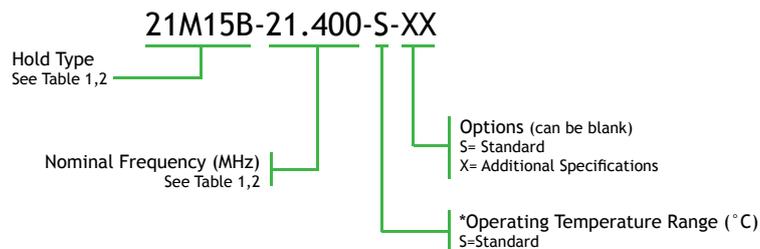
ELECTRICAL SPECIFICATION 2-POLE - TABLE 1

Part Number	Nominal Frequency	Pass Band Width		Stop Band Width		Ripple	Insertion Loss	Terminal Impedance	Operating Temp. Range
	MHz	dB	kHz	dB	kHz	dB	dB	Ohm//pF	°C
21M7A	21,400	3	±3.75	18	±14,0	0.5	1.5	850//7.0	-20 to +70
21M12A	21,400	3	±6.0	15	±20.0	0.5	1.5	1200//2.5	-20 to +70
21M15A	21,400	3	±7.5	18	±25.0	0.5	1.5	1500//3.0	-20 to +70
21M30A	21,400	3	±15	15	±45.0	0.5	1.5	3000//0.5	-20 to +70
21T7A	21,700	3	±3.75	18	±14,0	0.5	1.5	850//5.0	-20 to +70
21T12A	21,700	3	±6.0	15	±20,0	0.5	1.5	1200//2.5	-20 to +70
21T15A	21,700	3	±7.5	18	±25,0	0.5	1.5	1500//3.0	-20 to +70
21T30A	21,700	3	±15	15	±45,0	0.5	1.5	3000//0.5	-20 to +70

ELECTRICAL SPECIFICATION 4-POLE - TABLE 2

Part Number	Nominal Frequency	Pass Band Width		Stop Band Width		Ripple	Insertion Loss	Terminal Impedance	Operating Temp. Range
	MHz	dB	kHz	dB	kHz	dB	dB	Ohm/pF/pF	°C
21M7B	21,400	3	±3.75	40	±14,0	1.0	2.0	850/5/16	-20 to +70
21M12B	21,400	3	±6.0	40	±20.0	1.0	2.0	1200/2.5/10.5	-20 to +70
21M15B	21,400	3	±7.5	40	±25.0	1.0	2.0	1500/2/8	-20 to +70
21M30B	21,400	3	±15	40	±50.0	1.0	2.0	3000/0.5/3	-20 to +70
21T7B	21,700	3	±3.75	40	±14,0	1.0	2.0	850/5/16	-20 to +70
21T12B	21,700	3	±6.0	40	±20,0	1.0	2.0	1200/2.5/10.5	-20 to +70
21T15B	21,700	3	±7.5	40	±25,0	1.0	2.0	1500/2/8	-20 to +70
21T30B	21,700	3	±15	40	±50,0	1.0	2.0	3000/0.5/3	-20 to +70

PART NUMBERING SYSTEM (Example)



* Operating Temperature Range: -20 to 70°C (Standard)
* Specific Operating Temperature Range under request.