

Thru-Hole

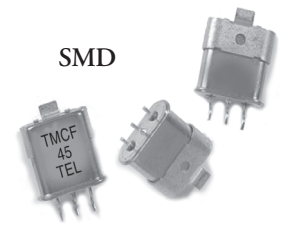
CRYSTAL FILTERS

TMCF 45 MHz

Fundamentals & Overtone Series

Operating Temperature Range -30 to 75°C

SMD



TMCF 45MHz Fundamental Series

Model	Channel Spacing	Pole	Pass Band dB kHz	Stop Band dB kHz	Ripple dB (Max.)	Loss dB (Max.)	Terminating Impedance $\Omega // (pF)$	Coupling Cap (pF)	Case Code
T45U 8AF	12.5kHz	2	3 ± 3.75	10 ± 12.5	65 ± 910	1.0	2.0	200 // 4	A-5
T45U 8BF	12.5kHz	4	3 ± 3.75	30 ± 12.5	90 ± 910	1.0	4.0	350 // 6	21 A-5×2
T45U 8CF	12.5kHz	6	3 ± 3.75	50 ± 12.5	90 ± 910	2.0	6.0	350 // 5	D-5
T45U 12AF	20kHz	2	3 ± 6.0	15 ± 20.0	65 ± 910	1.0	2.0	500 // 5	A-5
T45U 12BF	20kHz	4	3 ± 6.0	35 ± 20.0	90 ± 910	1.0	3.0	500 // 4	12 A-5×2
T45U 15AF	25kHz	2	3 ± 7.5	15 ± 25.0	65 ± 910	1.0	2.0	650 // 3	A-5
T45U 15BF	25kHz	4	3 ± 7.5	35 ± 25.0	90 ± 910	1.0	3.0	300 // 4	21 A-5×2
T45U 15AG	25kHz	2	3 ± 7.5	15 ± 25.0	65 ± 910	1.0	2.0	350 // 1	A-5
T45U 15BG	25kHz	4	3 ± 7.5	35 ± 25.0	90 ± 910	1.0	3.0	650 // 3	9 A-5×2
T45U 20AF		2	3 ± 10.0	15 ± 40.0	65 ± 910	1.0	2.0	800 // 3	A-5
T45U 20BF		4	3 ± 10.0	35 ± 40.0	90 ± 910	1.0	3.0	800 // 2	7 A-5×2
T45U 30AF	50kHz	2	3 ± 15.0	10 ± 50.0	65 ± 910	1.0	2.0	1200 // 1.5	A-5
T45U 30BF	50kHz	4	3 ± 15.0	35 ± 50.0	90 ± 910	1.0	3.0	1200 // 1.5	4 A-5×2
T45U 30AG	50kHz	2	3 ± 15.0	10 ± 50.0	65 ± 910	1.0	2.0	800 // 2	A-5
T45U 30BG	50kHz	4	3 ± 15.0	35 ± 50.0	90 ± 910	1.0	3.0	800 // 1	6 A-5×2

TMCF 45MHz Overtone Series

Model	Channel Spacing	Pole	Pass Band dB kHz	Stop Band dB kHz	Ripple dB (Max.)	Loss dB (Max.)	Terminating Impedance $\Omega // (pF)$	Coupling Cap (pF)	Case Code
T45U 8A	12.5 kHz	2	3 ± 3.75	15 ± 14.0	35 ± 910	1.0	2.0	3000 // -0.5	A-5
T45U 8B	12.5 kHz	4	3 ± 3.75	35 ± 14.0	80 ± 910	1.0	4.0	3000 // -0.5	0 A-5×2
T45U 15A	25 kHz	2	3 ± 7.5	18 ± 28.0	35 ± 910	1.0	2.0	4000 // -1	A-5
T45U 15B	25 kHz	4	3 ± 7.5	35 ± 25.0	80 ± 910	1.0	3.0	4000 // -1	-1 A-5×2
T45U 20A	—	2	3 ± 10.0	15 ± 30.0	35 ± 910	1.0	2.0	5000 // -1	A-5
T45U 20B	—	4	3 ± 10.0	35 ± 40.0	80 ± 910	1.0	3.0	5000 // -1	-1 A-5×2

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