Crystal Filters

TOYOCOM

HCM FILTERS

VHF 45 MHz 3rd OVERTONE Mode Series
12.5 KHz, 25KHz CHANNEL SPACING

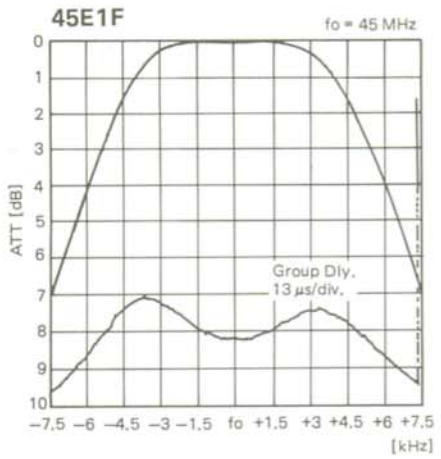
Type	No. of pole	Passband		Stopband		Max. ripple	Max. loss	Guaranteed attenuation		Terminating impedance	Coupling impedance	Case
		(dB)	(kHz)	(dB)	(kHz)	(dB)	(dB)	(dB)	(kHz)	Zt (Ω//pF)	Zc (pF)	
45E1F	2	3	±3.75	10	±12.5	1.0	2.0	35	±910	2.0k//–0.4	–	UM-1S
45E2F2	4	3	±3.75	30	±12.5	1.0	4.0	75	±910	3.0k//–0.3	–0.1	(UM-1S) x 2
45E2FU	4	3	±3.75	30	±12.5	1.0	5.0	75	±910	50	–	*S-428
45E2FT	4	3	±3.75	30	±12.5	1.0	5.0	75	±910	50	–	T-2
45E1B	2	3	±7.5	15	±25	1.0	2.0	35	±910	4.0k//–0.7	–	UM-1S
45E2B2	4	3	±7.5	30	±25	1.0	3.0	75	±910	4.0k//–0.8	–1.0	(UM-1S) x 2
45E2BU	4	3	±7.5	30	±25	1.0	4.0	75	±910	50	–	*S-428
45E2BT	4	3	±7.5	30	±25	1.0	4.0	75	±910	50	–	T-2

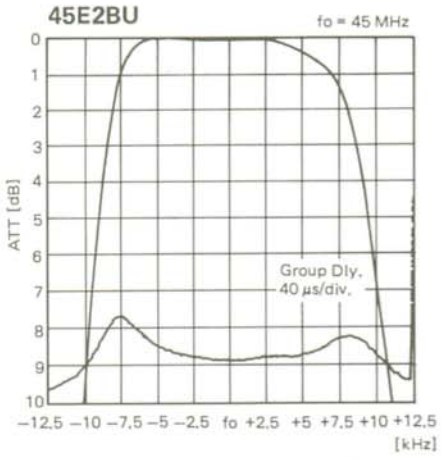
*Non-washable

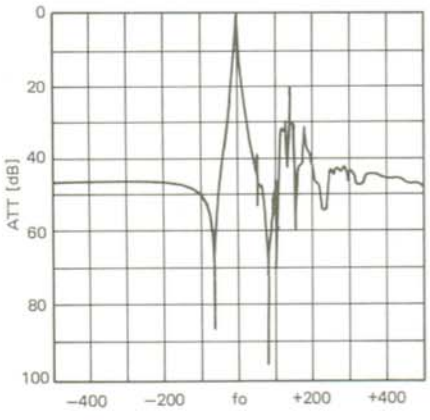
Operating temperature range: –30°C to +80°C

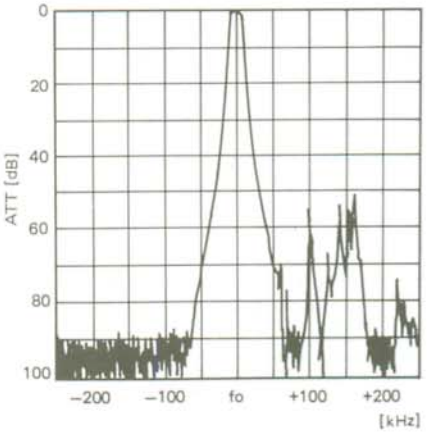
Outline drawing: See page 40

Electrical data









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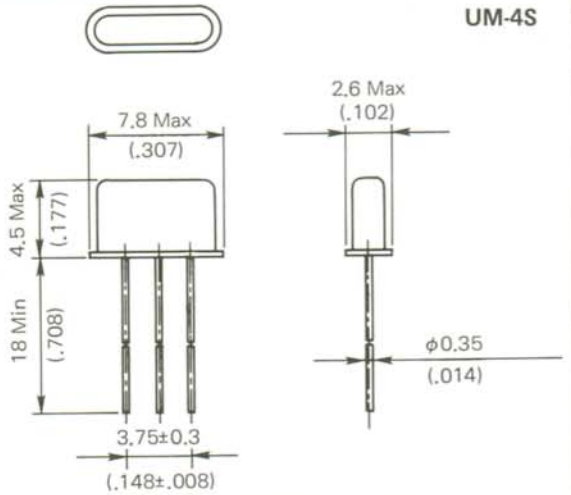
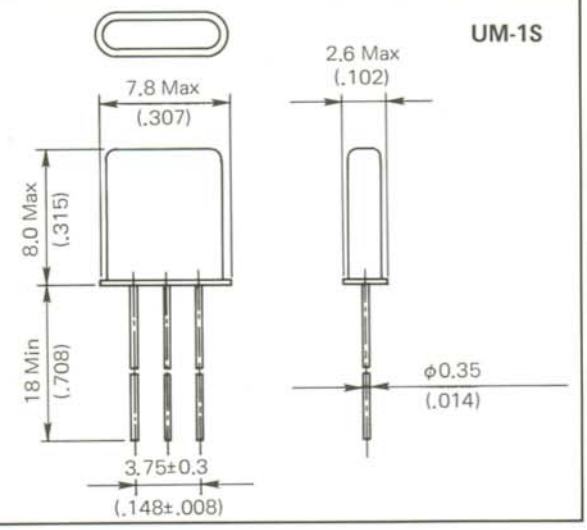
HCM FILTERS Outline Drawing

in mm (in inch)

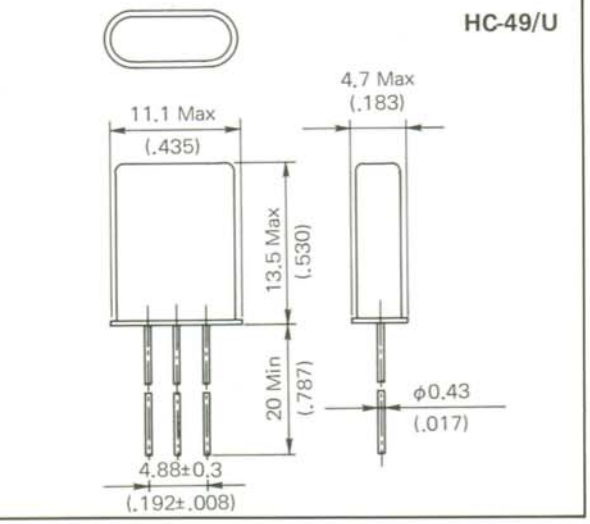
UM-4S



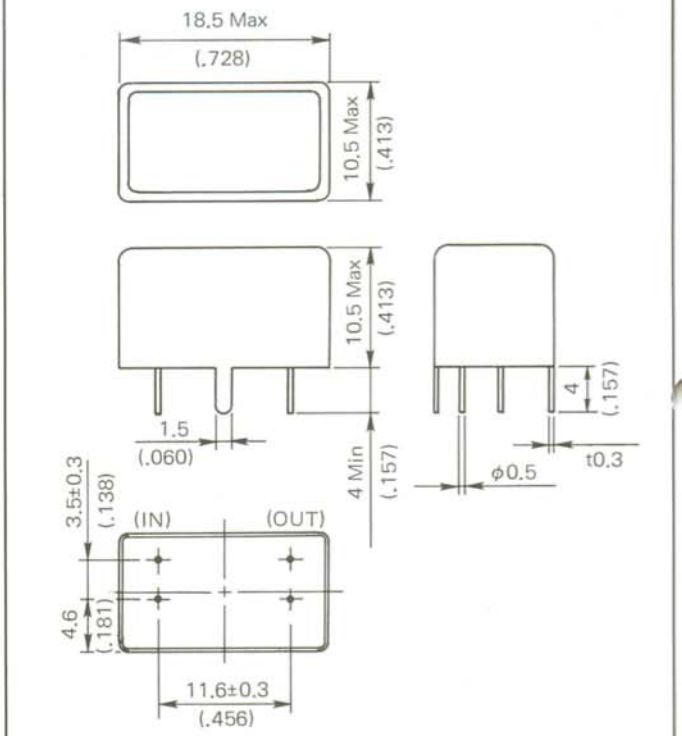
UM-1S

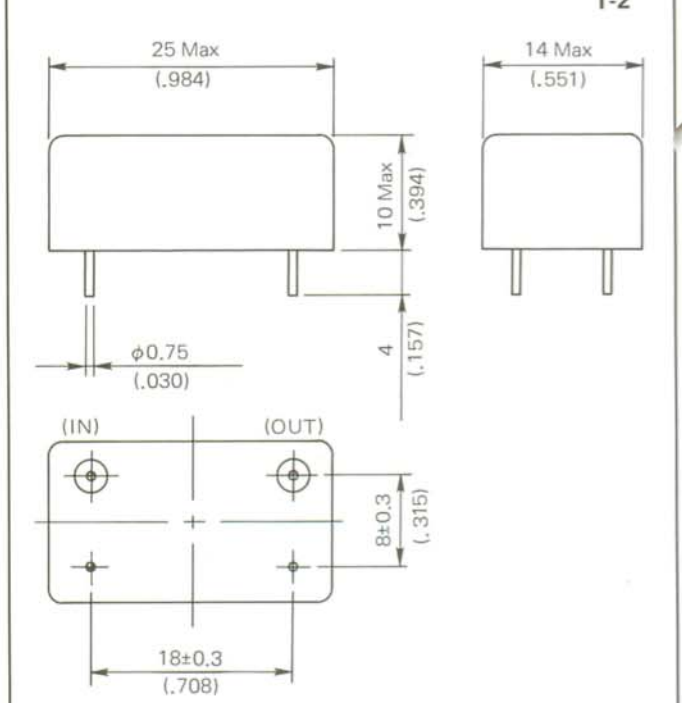


HC-49/U



S-428



Non-washable

T-2