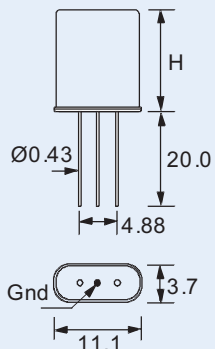


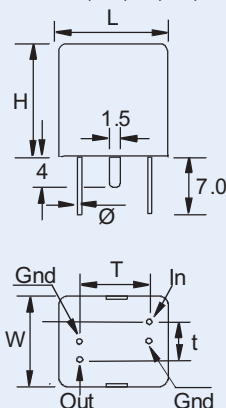
20kHz Channel Spacing

Case 49/M and 49/M2



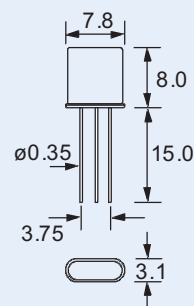
Outline and Dimensions

Case C1,D1,E1,D2,E2



Outline and Dimensions

UM-1



Outline and Dimensions

Case	H
49/M	11.2
49/M2	9.5

Case	L	W	H	T	t	Ø
C1	15	12	15	9	5	0.43
D1	18.5	12	15	13.4	5	0.43
E1	23	12	15	17.8	5	0.43
D2	11	8.5	11.5	7.4	4	0.3
E2	13.5	8.5	11.5	9.8	4	0.3

MCF 20kHz Channel Spacing

Part Number	Nominal Frequency (MHz)	Poles	3dB Bandwidth (kHz)	Ripple (dB)	Insert. Loss (dB)	Stop B/W (kHz/dB)	Guaranteed Attenuation (dB/kHz)	Terminating Impedance (kΩ/pF)	Case Style
10G12A	10.7	2	±6.0	0.5	2.0	±23/18	35/+300~1,000 40/- 200 ~1,000	2.5//2.5	49/M
10G12B	10.7	4	±6.0	1.0	2.5	±20/40	65/+300~1,000 80/-200~1,000	2.5//1.5	49/M x2
10G12C	10.7	6	±6.0	2.0	3.0	±20/60	65/±20~±300	2.8//1.0	C1
10G12D	10.7	8	±6.0	2.0	4.0	±20/90	90/±20~±300	2.8//1.0	D1
21M12A	21.4	2	±6.0	0.5	2.0	±23/18	35/±350~1,000 50/-200~1,000	1.2//3.0	UM1 -3
21M12B	21.4	4	±6.0	1.0	2.5	±20/40	65/+350~1,000 70/-200~1,000	1.2//2.5	UM1-3 x2
21M12C	21.6	6	±6.0	2.0	3.0	±20/65	65/±20~±300	1.2//2.5	D2
21M12D	21.8	8	±6.0	2.0	4.0	±20/90	90/±20~±300	1.2//2.5	D2