

Discrete Crystal Filters

Examples of our product range

Type:	XF-14S01	XF-50S10	XF-107S251	XF-107S276	XF-214S06
Frequency (MHz)	1.401675	5.0	10.7		21.4
Passband (dB / kHz):	2.0 / ± 0.1375	3.0 / ± 0.18	3.0 / ± 50	6.0 / ± 110	6.0 / ± 1.3
Insertion loss max.(dB):	6.0	4.5	4.5	11.0	3.5
Ripple max.(dB):	2.0	2.5	2.0	2.0	2.0
Stopb. att. (dB / kHz): (dB / kHz):	60 / + 500 60 / - 100	40 / ± 0.35 60 / ± 0.6	60 / ± 300 80 / ± 500	60 / ± 380	30 / ± 3.0 60 / ± 4.0
Ultimate atten. (dB): (kHz ... kHz):	> 60	> 80	> 90	> 90 / $\pm 1000 \dots \pm 10000$	> 90
Termination (Ω // pF):	50				350 // 30
Case style:	BF-104	BF-1	BF-32	BF-10	BF-1
Temperature range ($^{\circ}\text{C}$)	0 / +60	0 / +75	-20 / +70	0 / +60	-20 / +70
Max. input power	1.0 mW				

Examples of our product range

Type:	XF-214S117	XF-214S119	XF-400S01	XF-700S05	XF-710S03
Frequency (MHz)	21.4	21.4	40	70	
Passband (dB / kHz):	3.0 $> \pm 100 \pm 20$	3.0 $> \pm 50 \pm 10$	3.0 / ± 7.5	3.0 / ± 7.5	3.0 / ± 90
Insertion loss max.(dB):	10.0	9.0	6.0		
Ripple max.(dB):	2.0			1.0	
Stopb. att. (dB / kHz): (dB / kHz):	3:60 dB=1:3 -	60 / ± 1000 -	50 / ± 30 -	40 / ± 30 -	60 / ± 600 -
Ultimate atten. (dB): (kHz ... kHz):	> 70	> 90 / $\pm 1500 \dots \pm 10k$	> 60 / $\pm 300 \dots \pm 2000$	> 70 / $\pm 100 \dots \pm 5k$	> 80 / $\pm 2k \dots \pm 10k$
Termination (Ω // pF):	50				
Case style:	BF-32		BF-10	BF-32	
Temperature range ($^{\circ}\text{C}$)	0 / +50	-20 / +70	-20 / +70	-25 / +70	-20 / +70
Max. input power	1.0 mW				



VECTRON
INTERNATIONAL
A DOVER TECHNOLOGIES COMPANY

166 Glover Avenue
Norwalk, CT 06856

Tel: 1-88-VECTRON-1
Fax: 1-888-FAX-
VECTRON
www.vectron.com