

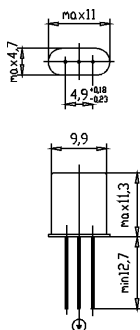
Monolithic Crystal Filters

21.4 MHz Channel Spacing 50 kHz 3 dB-Bandwidth ± 15 kHz

Type: Previous Part No:	XFD-214C XF-215	XFM-214UM	XFM-214QM	XFM-214JM	XFM-214CX
Number of poles:	2	4	6	8	10
Insertion loss max.(dB):	1.0	2.0	3.0	3.5	4.0
Ripple max.(dB):	0.5	1.0	2.0	2.0	2.0
Stopband attenuation (dB / kHz): (dB / kHz):	25 / ± 25 -	40 / ± 50 -	45 / ± 35 65 / ± 50	70 / ± 40 90 / ± 50	70 / ± 12 90 / ± 40
Ultimate attenuation (dB / kHz ... kHz):	> 40 / $\pm 200 \dots \pm 500$	> 60 / $\pm 100 \dots \pm 500$	> 80 / $\pm 100 \dots \pm 500$	> 90 / $\pm 50 \dots \pm 500$	> 90 / $\pm 40 \dots \pm 500$
Termination Input/Output (Ω // pF):	1500 // 0	2000 // 0	2000 // 0	2000 // 0	3300 // 0
Case style:	BF-18 (UM 1)	BF-25	BF-16	BF-19	BF-15
Max. input power:	1.0 mW				
Temperature ranges Operating: Operable: Storage:	- 20°C ... + 70°C - 40°C ... + 80°C - 55°C ... + 105°C				

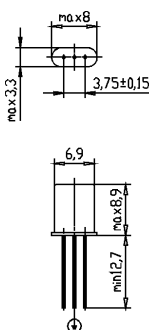
Case

BF-17

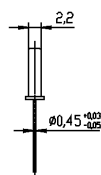


DIN IEC 49(CO)208
Typ F16

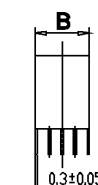
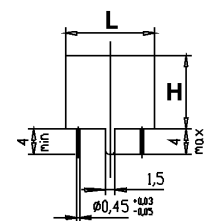
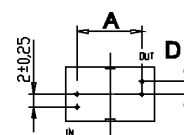
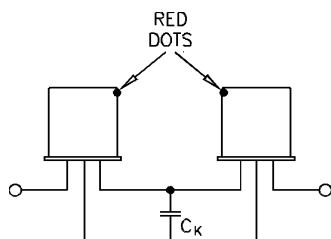
BF-18



DIN IEC 49(CO)208
Typ F15



Application Circuit for 2 Pole filters:



Dimensions in mm:

	L	B	H	A	D
BF-25	7.5	8.5	11.5	3.75	3.75
BF-16	11.0	8.5	11.5	7.4	4.0
BF-19	14.0	8.7	11.5	10.0	3.75
BF-13	15.0	12.0	15.0	9.0	5.0
BF-14	18.5	12.0	15.0	13.4	5.0
BF-15	23.0	12.0	15.0	17.8	5.0



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