



ROHS-Compliant Product

Standard Filters 9.0MHz



9 MHz Standard series					
Type:	XF-9A	XF-9B	XF-9B01	XF-9B02	XF-9B10
Frequency (MHz):	9.0		8.9985	9.0015	9.0
Application:	ESB, SSB, BLU		USB, LSB, BLI	OSB, USB, BLS	ESB, SSB, BLU
6 dB-bandwidth (kHz):	± 1.25	± 1.2			
Insertion loss max.(dB):	3.0	3.5			4.0
Ripple max.(dB):	1.0	2.0			
Shape factor (dB - kHz): (dB - kHz):	6:60 = 1:2.5 6:80 = 1:3.5	6:60 = 1:1.8 6:80 = 1:2.2			6:60 = 1:1.5 6:80 = 1:1.8
Number of poles	6	8	8	8	10
Ultimate attenuation dB:	> 90				
Termination (Ω // pF):	500 // 30				
Case style:	BF-1				
Temperature range:	- 20°C ... + 70°C				

9 MHz Standard series					
Type:	XF-9B11	XF-9B12	XF-9E	XF-9NB	XF-9P
Frequency (MHz):	8.9985	9.0015	9.0	9.0	9.0
Application:	USB, LSB, BLI	OSB, USB, BLS	FM	CW	
6 dB-bandwidth (kHz):	± 1.2		± 6.0	± 0.25	± 0.125
Insertion loss max.(dB):	4.0		3.5	6.5	7.5
Ripple max.(dB):	2.0			1.0	
Shape factor (dB - kHz): (dB - kHz):	6:60 = 1:1.5 6:80 = 1:1.8		6:60 = 1:1.8 6:80 = 1:2.2	6:60 = 1:2.2 6:80 = 1:4.0	
Number of poles	10	10	8	8	8
Ultimate attenuation dB:	> 90				> 100
Termination (Ω // pF):	500 // 30		1200 // 30	500 // 30	
Case style:	BF-1				
Temperature range:	- 20°C ... + 70°C			-10°C..+60°C	0°C..+50°C

KVG Quartz Crystal Technology

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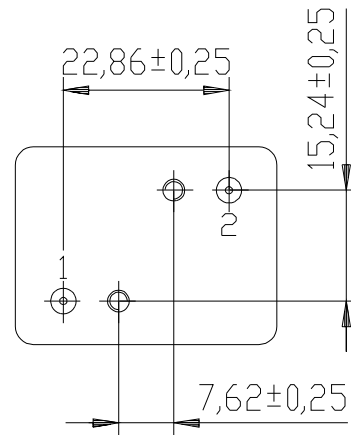


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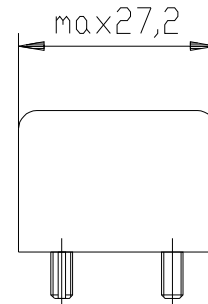
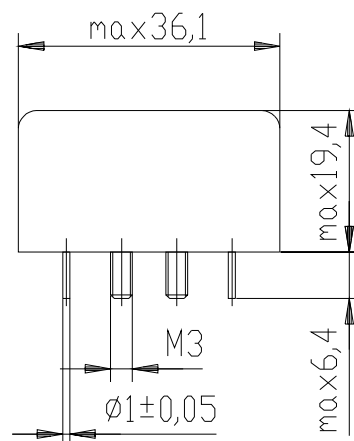


Case Style



DIN IEC 49(CO)208
Typ F01

1 = IN
2 = OUT



Case Style BF-1

Carrier Crystals for 9 MHz Standard Filters

Type for case HC 50/U:	XF-900	XF-901	XF-902	XF-903	XF-904
Type for case HC 49/U:	XF-900L	XF-901L	XF-902L	XF-903L	XF-904L
For Filters:	XF-9B01 XF-9B02 XF-9S06	XF-9A XF-9B XF-9B10	XF-9A XF-9B XF-9B10	XF-9M XF-9NB XF-9P	XF-9M XF-9NB XF-9P
Frequency (MHz):	9.000	8.9985	9.0015	9.001	8.999

KVG Quartz Crystal Technology GMBH

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