



ROHS-Compliant Product

# Standard Filters 9.0MHz



9 MHz Standard series					
Type:	<b>XF-9A</b>	<b>XF-9B</b>	<b>XF-9B01</b>	<b>XF-9B02</b>	<b>XF-9B10</b>
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 ( $\Omega$ // pF):	500 // 30				
Case style:	BF-1				
Temperature range:	- 20°C ... + 70°C				

9 MHz Standard series						
Type:	<b>XF-9B11</b>	<b>XF-9B12</b>	<b>XF-9E</b>	<b>XF-9NB</b>	<b>XF-9P</b>	
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 ( $\Omega$ // 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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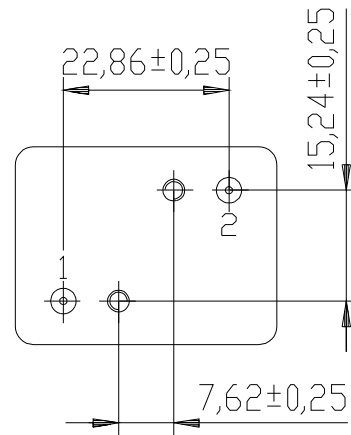


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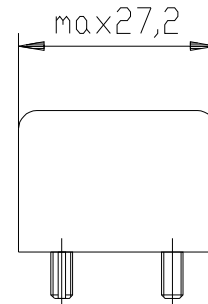
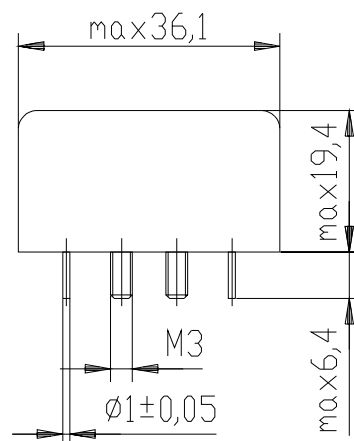


## Case Style



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:	<b>XF-900</b>	<b>XF-901</b>	<b>XF-902</b>	<b>XF-903</b>	<b>XF-904</b>
Type for case HC 49/U:	<b>XF-900L</b>	<b>XF-901L</b>	<b>XF-902L</b>	<b>XF-903L</b>	<b>XF-904L</b>
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

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