



INTERQUARTZ

J. S. Co.

QUARTZ PIEZOELECTRIC DEVICES, SELENIUM RECTIFIERS, PHOTOCOPIER DRUMS

QUARTZ

FILTERS

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CRYSTAL FILTERS -2.5 MHz

Type		FLK 2.5-0.3-80	FLK 2.5-0.6-80	FLK 2.5-1.5-80	FLK 2.5-3-80	FLK 2.5-7-80
Application		CW	CW	CW AM	AM	AM/ FM
Nominal Frequency FN	MHz	2.5	2.5	2.5	2.5	2.5
Band Widht at 3 dB	kHz	0.3	0.6	1.5	3	7
Ripple max	dB	1.5	1.5	2	2	2
Insertion loss max	dB	6	6	5	5	5
Stopband						
80 dB at FN \pm	kHz	1.2	2	4	9	20
80 dB to FN \pm	kHz	150	150	150	150	150
Number of poles		6	6	6	8	6
Ult. attenuation min	dB	80	80	80	80	80
Terminating	Ohm	50	50	230	230	510
Impedance	pF					
Input power max	mW	5	5	5	5	5
Operating tempera- ture range	$^{\circ}$ C			-25+60		
Case Size				Typ F 01 - DIN 45161		
L/ W/ H	mm			36/27/ 19.4		62/ 27/ 19.4
Weight max	g			40		60

CRYSTAL FILTERS - 5.0 MHz

Type		FLK 5-0.4-60	FLK 5-0.8-60	FLK 5-6.8-60
Application		CW	CW	AM
Nominal Frequency FN	kHz	5001.225	5001.175	5000
Band Widht at 3 dB	kHz	0.4	0.8	6.8
Ripple max	dB	1.5	1.5	2
Insertion loss max	dB	5	5	6
Stopband				
60 dB at FN \pm	kHz	1.2	2.3	7.75
to FN \pm	kHz	150	150	150
Number of poles		4	4	8
Ult. attenuation min	dB	60	60	80
Terminating	Ohm	50	50	3200
Impedance	pF	100	100	25
Input power max	mW	5	5	5
Operating temperature range	$^{\circ}$ C			-25+60
Case Size				Typ F01 - DIN 45161
L/ W/ H	mm			36/27/ 19.4
Weight max	g			40

CRYSTAL FILTERS FOR SSB 2.5 MHz, 5 MHz

Type		FLKD 2.5-3.1-80	FLKG 2.5-3.1-80	FLKG 5-3.1-80
Application		LSB	USB	USB
Nominal Frequency FN	MHz	2.5	2.5	5
Band Widht at 3 dB	kHz	-0.3-3.4	+0.3+3.4	+0.3+3.4
Ripple max	dB	2	2	2
Insertion loss max	dB	5	5	5
Stopband Attenuation				
60 dB for FN \pm	kHz	+0.3	-0.3	-0.6 and +6
80 dB for FN \pm	kHz	+0.8 and -6	-0.8 and +6	
Attenuation for FN	dB	25	25	20
Number of poles		12	12	8
Terminating Impedance	Ohm pF	130	130	620
Input power max	mW	5	5	5
Operating temperature range	°C	-25+60		
Case Size				
L/ W/ H	mm	62/27/19.4		36/27/19.4
Weight max	g	60		40

CRYSTAL FILTERS - 51 MHz, 62.5 MHz, 65 MHz

Type		FLK 51-6-40	FLK 62.5-15-50	FLK 65-10-40
Application		AM/FM	FM	FM
Nominal Frequency FN	MHz	51	62.5	65
Band Widht at 3 dB	kHz	6	15	10
Ripple max	dB	1.5	2	1.5
Insertion loss max	dB	4.5	4.5	4.5
Stopband				
40 dB at FN \pm	kHz	25	40	30
50 dB at FN \pm	kHz	300	300	300
Number of poles		4	4	4
Ult. attenuation min	dB	50	50	50
Terminating Impedance	Ohm pF	150	1100	510
Input power max	mW	2	2	2
Operating temperature range	°C	-25+70		
Case Size		Typ F01 - DIN 45161		
L/ W/ H	mm	36/27/19.4		
Weight max	g	30		



INTELECTRON

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CRYSTAL FILTERS - 9 MHz

Type		XF 9-0.6-80	XF 9-2.4-80	XF 9-3.1-80
Application		CW	SSB	SSB
Center Frequency	MHz	9.0	9.0	9.0
Frequency Band Widht at 6 dB	kHz	± 100 Hz 0.6+20%	± 200 Hz 2.4+10%	± 200 Hz 3.1+10%
Ripple max	dB	1	2	1.5
Insertion loss max	dB	5.5	3.5	3.5
Shape factor 60 dB : 6 dB	max	3.0	1.8	1.8
80 dB : 6 dB	max	4.5	2.2	2.2
Number of poles		6	8	8
Ult. attenuation min	dB	90	95	95
Terminating Impedance	Ohm	120	500	500
Input power max	pF	30	30	30
Operating temperature range	mW	10	10	10
Case Size	°C	-20+70		
L/ W/ H	mm	Typ F01 - DIN 45161 36/27/19.4		
Weight max	g	40		

CARRIER QUARTZ CRYSTAL

Type		0.6-1	2.4-1 2.4-2	3.1-1 3.1-2
Frequency	kHz	9000.0	8998.5 9001.5	8998.15 9001.85
Load Capacitance	pF	30	30	30
Freq. stability at (-20+70) C	ppm	± 10	± 15	± 15
Enclosure		HC 49/ U (Resistance weld)		