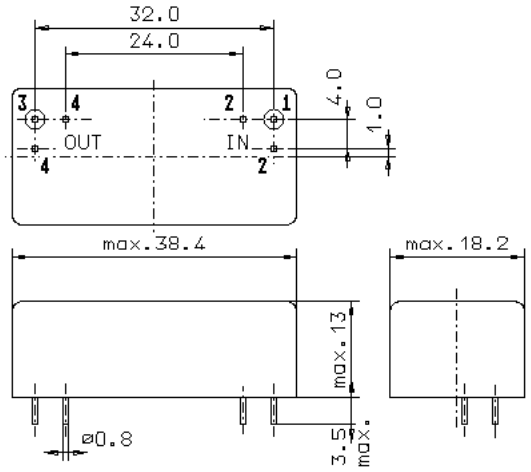
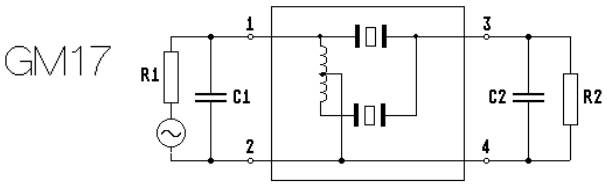
17 December 2008

Specification for crystal filter: **Q F 2 3 . 1 - 1 2 5 0 0 / 0 2**

1. General

1.1. Package:





1.2.	Type name:	QF 23.1-12500/02
1.3.	Number of poles:	6
1.4.	Operating temperature range:	-20°C to +70°C
1.5.	Storage temperature range:	-45°C to +85°C

2. Electric values

2.1.	Nominal centre frequency fo:	23.1 MHz
2.2.	**Pass band**	
2.2.1.	Bandwidth between 1 dB - frequencies:	> fo ± 62.5 kHz
2.2.2.	Ripple at fo ± 62.5 kHz:	< 1.0 dB peak to peak
2.2.3.	Insertion loss: (measured on smallest attenuation in pass band)	< 5.0 dB
2.3.	**Stop band**	
2.3.1.	fo - 550 MHz	> 60 dB
2.3.2.	fo + 490 MHz	> 60 dB except spurious
2.3.3.	Alternate attenuation:	> 60 dB except spurious
2.3.4.	Spurious responses (fo + 490…..+1500 kHz):	> 30 dB
2.4.	Terminating impedance (input and output):	50 Ω // 0 pF
2.5.	Maximum input power level:	+10 / +20 (working / non-damaged)
3.	Marking:	manufacturer, date code QF 23.1-12500/02
4.	Environment conditions:	Corresponding to Vectron CF001 standard

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Edited by: date: _____ name: _____