Specification for monolithic crystal filter   **M Q F   1 3 0 …………..1 8 0 - 1 4 0 0 / C**
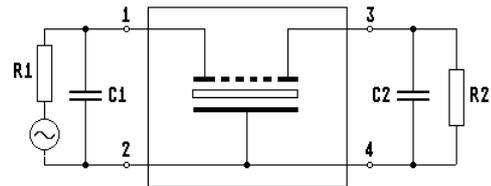
1. General
1.1. Package:
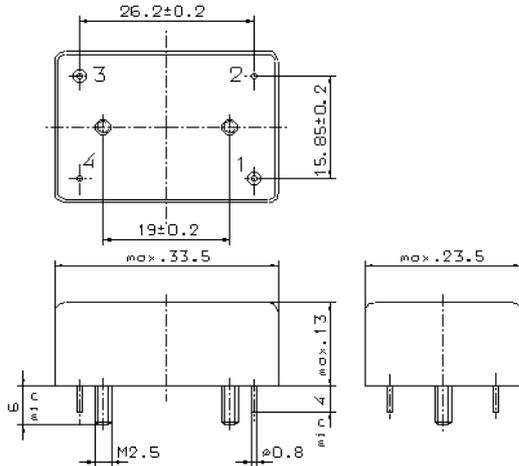
GM 33

1.2.	Type name:	MQF 130………180-1400/C
1.3.	Number of poles:	4
1.4.	Operating temperature range:	-20°C to +70°C
1.5.	Storage temperature range:	-35°C to +80°C

2.   Electric values

2.1.	Nominal center frequency fo:	130…….180 MHz to be determined

2.2.   **Pass band**

2.2.1.	Bandwidth between 3 dB - frequencies:	$\geq$ fo $\pm$ 7.0 kHz
2.2.2.	Ripple:	$\leq$ 1.0 dB at fo $\pm$ 5.0 kHz
2.2.3.	Insertion loss:	$\leq$ 5.5 dB
	(measured on smallest attenuation in pass band)	

2.3.   **Stop band**

2.3.1.	fo $\pm$ 30 kHz	$\geq$ 20 dB
2.3.2.	fo $\pm$ 60 kHz	$\geq$ 45 dB
2.3.3.	fo $\pm$ 910 kHz	$\geq$ 60 dB
2.3.4.	Spurious responses:	$\geq$ 15 dB

2.4.	Terminating impedance (input and output):	50 Ω // 0 pF

2.5.	Maximum input power level:	-10 dBm (working / reference measurements)
		+10 dBm (non-damaged for at least 30 s)

3.	Marking:	manufacturer, date code
		MQF 1xx.xxx-1400/C

4.	Environment conditions:	Corresponding to Vectron CF001

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Edited by: date: _____   name: _____