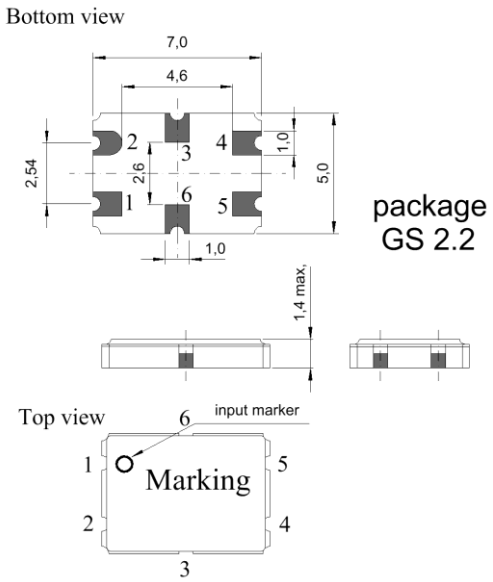
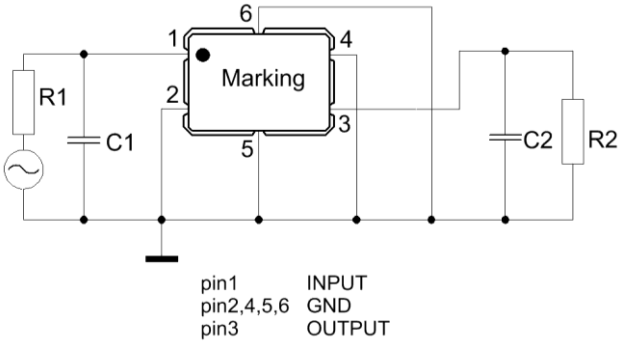
06 August 2007

Specification for monolithic crystal filter: **M Q F 2 1 . 4 - 4 0 0 0 / 1 0**

1. General

1.1. Package:





1.2.	Type name:	MQF 21.4-4000/10
1.3.	Number of poles:	2
1.4.	Operating temperature range:	-40°C to +85°C
1.5.	Storage temperature range:	-45°C to +85°C

2. Electric values

2.1.	Nominal centre frequency fo:	21.4 MHz
2.2.	**Pass band**	
2.2.1.	Bandwidth between 3 dB - frequencies:	≥ fo ± 20 kHz
2.2.2.	Ripple at fo ± 12 kHz:	≤ 1.0 dB
2.2.3.	Insertion loss: (measured on smallest attenuation in pass band)	≤ 2.0 dB
2.3.	**Stop band**	
2.3.1.	fo ± 60 kHz	≥ 15 dB (except spurious)
2.3.2.	Alternate attenuation:	≥ 60 dB (except spurious)
2.4.	Terminating impedance (input and output):	3200 Ω // -1.0 pF
3.	Marking (input to be marked with a circle):	21S40A date code
4.	Environment conditions:	Corresponding to Vectron standard CF001
5.	Filters are Pb-free and 2002 /95 / EC RoHS compliant	

Edited by: date: _____ name: _____