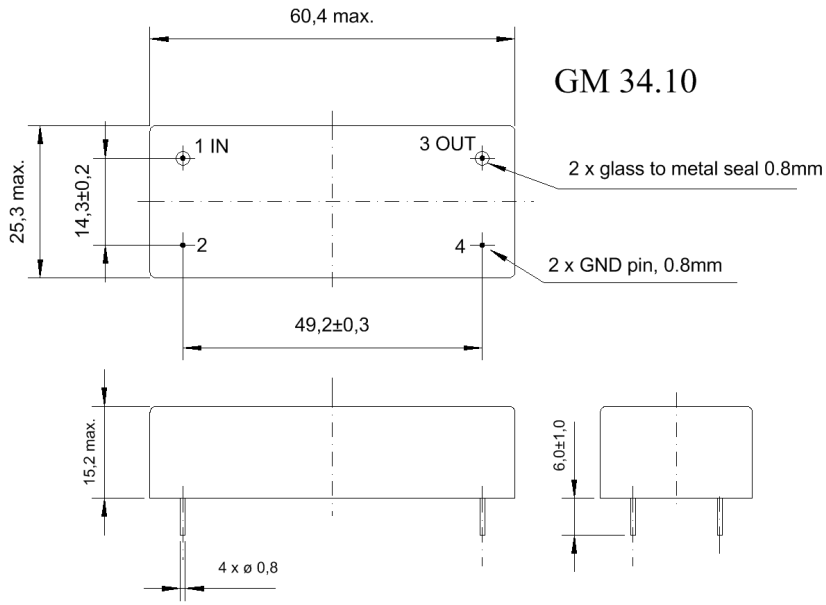
VECTRON INTERNATIONAL
A DOVER COMPANY

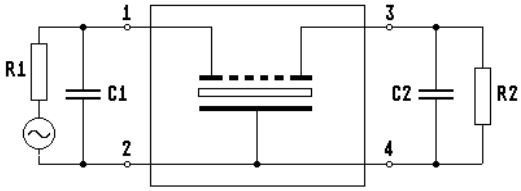
16 March 2011

Specification for crystal filter: **Q F 4.3-0210/06**

1. General

1.1. Package:





1.2.	Type name:	QF 4.3-0210/06
1.3.	Number of poles:	6
1.4.	Operating temperature range (OTR):	-55°C to +85°C
1.5.	Storage temperature range:	-55°C to +85°C

2. Electric values

2.1. Nominal centre frequency (fo): 4.3 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: > fc ± 1.15 kHz

2.2.2. Centre frequency measured betwee 3 dB frequencies (fc)

	at +25°C:	4.3 MHz ±50 Hz
	in OTR:	4.3 MHz ±100 Hz

2.2.3.	Ripple in pass band	at fc ± 700 Hz:	< 0.5 dB
		at fc ± 1.05 Hz:	< 1.0 dB

2.2.4.	Differential group delay	at fc ± 160 Hz:	< 150 µs
		at fc ± 400 Hz:	< 350 µs
		at fc ± 1.1 kHz:	< 800 µs

2.2.5. Insertion loss at fo: < 3.0 dB

2.3. Stop band

2.3.1. fc ± 1.4 kHz: > 6 dB

2.3.2. fc ± 6.35 kHz……± 50 kHz: > 83 dB

2.3.3. Alternate attenuation: > 83 dB (except spurious)

2.3.4. Spurious responses: > 70 dB af fo+50 kHz..…...+15 MHz

2.4. Terminating impedance (input and output): 1400 Ω // 5.0 pF

2.5. 3-rd order intercept point (IP3, Inband and outband): > +10 dBm
- test tones for out band IP3 at fo ± 30kHz and fo ± 60kHz
- test tones for in band IP3 at fo ± 1.0 kHz
- input power level at 0 dBm

2.6. Maximum input power level: +10dBm / +20dBm (working / non-damaged)

2.6.1. Input power level for reference measurements: 0 dBm

3. Marking:

top view

4. Environment conditions: Corresponding to VECTRON MIL-standard

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Edited by: date: _____ name: _____