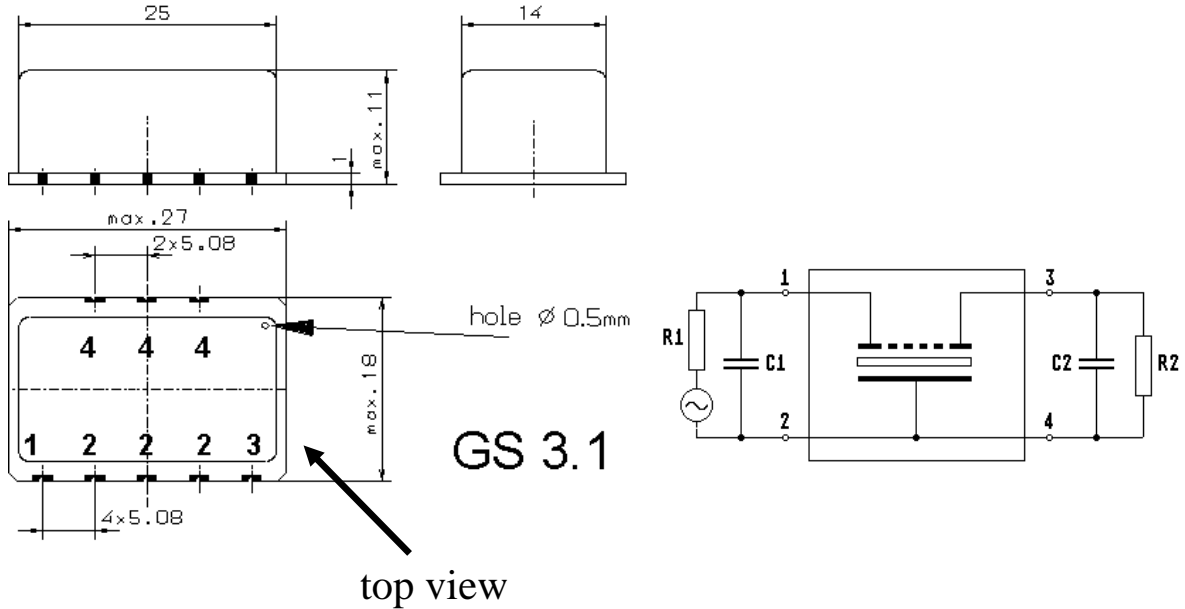


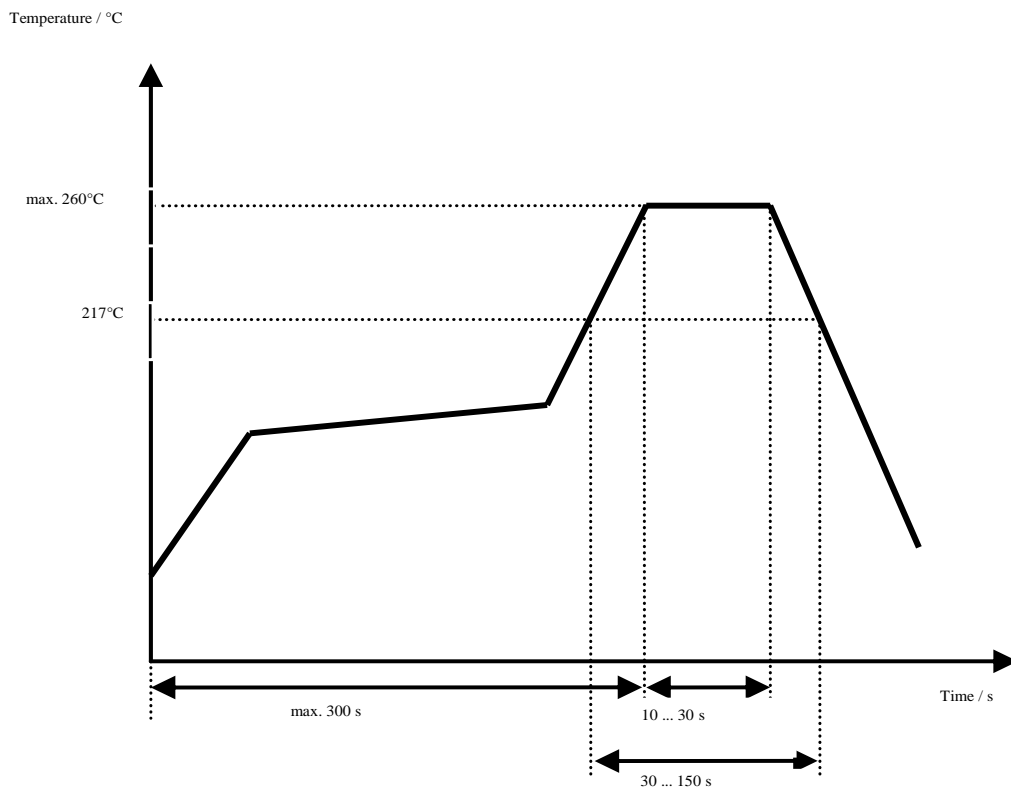
Specification for monolithic crystal filter MQF 71.85-2500/11

1. General

1.1. Package:



Chip-mount air reflow profile



- |                                   |                   |
|-----------------------------------|-------------------|
| 1.2. Type name:                   | MQF 71.85-2500/11 |
| 1.3. Number of poles:             | 6                 |
| 1.4. Operating temperature range: | -40°C to +70°C    |
| 1.5. Storage temperature range:   | -45°C to +85°C    |

**2. Electric values**

2.1. Nominal centre frequency  $f_0$ : 71.85 MHz

**2.2. Pass band**

- 2.2.1. Bandwidth between 6 dB - frequencies:  $> f_0 \pm 12.5$  kHz
- 2.2.2. Ripple:  $< 1.5$  dB at  $f_0 \pm 9$  kHz
- 2.2.3. Group delay distortion:  $< 14$   $\mu$ s at  $f_0 \pm 9$  kHz
- 2.2.4. Insertion loss:  $< 4.5$  dB  
( measured on smallest attenuation in pass band )

**2.3. Stop band**

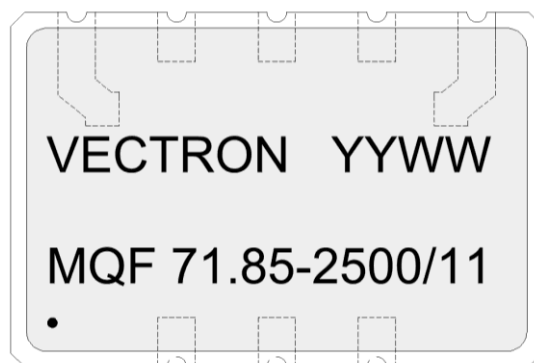
- 2.3.1.  $f_0 \pm 30$  kHz  $> 20$  dB
- 2.3.2.  $f_0 \pm 45$  kHz  $> 40$  dB
- 2.3.3.  $f_0 \pm 60$  kHz  $> 55$  dB
- 2.3.4.  $f_0 - 900$  kHz.....-1000 kHz  $> 80$  dB
- 2.3.5. Spurious responses:  $> 50$  dB

2.4. Terminating impedance ( input and output ):  $50 \Omega // 0$  pF

2.5. Maximum input power level: -5 dBm ( +5 dBm non-damaged )

3. Laser or inkjet marking:

**Top view**



4. Environment conditions: Corresponding to Vectron CF001

Edited by: \_\_\_\_\_ date: \_\_\_\_\_ name: \_\_\_\_\_