Specification for monolithic crystal filter: MQF 10.7-1500/01

1. General

1.1. Package:

1.2. Type name: MQF 10.7-1500/01

1.3. Number of poles: 2

1.4. Operable temperature range: -30°C to +80°C

1.5. Operating temperature range: -25°C to +70°C

1.6. Storage temperature range: -55°C to +80°C

2. Electric values

2.1. Nominal centre frequency fo: 10.7 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: \( \geq fo \pm 7.5 \text{ kHz} \)

2.2.2. Ripple (at fo ± 5.5 kHz): \( \leq 1.0 \text{ dB} \)

2.2.3. Insertion loss: \( \leq 0.5 \text{ dB} \)

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fo ± 30 kHz...........± 150 kHz \( \geq 20 \text{ dB} \)

2.3.2. fo ± 150 kHz...........± 500 kHz \( \geq 40 \text{ dB} \)

2.3.3. Spurious responses: \( \geq 15 \text{ dB} \)

2.4. Terminating impedance (input and output): 3000 \( \Omega // 0 \) pF

3. Marking: manufacturer, date code 10.7-1500/01

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: __________________________ name: _________________________________

06 April 1998