Specification for monolithic crystal filter

MQF 100.0 - 1500/06

1. General

1.1. Package:

1.2. Type name: MQF 100.0 - 1500/06

1.3. Number of poles: 2

1.4. Operating temperature range: -20°C to +70°C

1.5. Storage temperature range: -30°C to +85°C

2. Electric values

2.1. Nominal centre frequency \( f_0 \): 100.0 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: \( \geq f_0 \pm 7.5 \text{ kHz} \)

2.2.2. Ripple: \( \leq 1.0 \text{ dB at } f_0 \pm 5.0 \text{ kHz} \)

2.2.3. Insertion loss: \( \leq 2.0 \text{ dB} \)

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. \( f_0 \pm 25 \text{ kHz} \ldots \pm 10 \text{ MHz} \) \( \geq 15 \text{ dB (except spurious)} \)

2.3.2. \( f_0 \pm 10 \text{ MHz} \) \( \geq 30 \text{ dB} \)

2.4. Terminating impedance (input and output): 1450 \( \Omega \) // -1.5 pF

2.5. Maximum input power: 0 dBm

3. Marking:

manufacturer, date code

100.0-1500/06

4. Environment conditions:

Corresponding to Vectron standard CF001

Edited by: ___________________________ date: __________ name: ___________________________