1. General

1.1. Package:

1.2. Type name: MQF 70.0-1400/02

1.3. Number of poles: 4

1.4. Operating temperature range: -20°C to +85°C

1.5. Storage temperature range: -35°C to +85°C

2. Electric values

2.1. Nominal centre frequency \( f_0 \): 70.0 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: \(< f_0 \pm 7.0 \text{ kHz} \)

2.2.2. Ripple: \(< 1.0 \text{ dB at } f_0 \pm 4.5 \text{ kHz} \)

2.2.3. Group delay distortion: \(< 30 \mu s at f_0 \pm 7.0 \text{ kHz} \)

2.2.4. Insertion loss: \( \leq 4.0 \text{ dB} \)

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. \( f_0 \pm 15 \text{ kHz} \): \( \geq 10 \text{ dB} \)

2.3.2. \( f_0 \pm 35 \text{ kHz} \): \( \geq 40 \text{ dB} \)

2.3.3. \( f_0 \pm 90 \text{ kHz} \ldots 50 \text{ MHz} \): \( \geq 60 \text{ dB} \)

2.3.4. Spurious responses: \( \geq 35 \text{ dB} \)

2.4. Terminating impedance (input and output): 50 Ω // 0 pF

3. Marking:

manufacturer, date code

MQF 70.0-1400/02

4. Environment conditions:

Corresponding to Vectron standard CF001

Edited by: ____________________________ date: ________________ name: ____________________________