1. General

1.1. Package:

1.2. Type name: MQF 21.4-3000/11

1.3. Number of poles: 8

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

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

2. Electric values

2.1. Nominal centre frequency fo: 21.4 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: \( \geq f_0 \pm 15 \text{ kHz} \)

2.2.2. Ripple: \( \leq 2.0 \text{ dB at } f_0 \pm 12.0 \text{ kHz} \)

2.2.3. Insertion loss: \( \leq 3.5 \text{ dB} \)

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. \( f_0 \pm 35 \text{ kHz} \)

2.3.2. \( f_0 \pm 50 \text{ kHz}, \ldots, \pm 500 \text{ kHz} \)

\( \geq 70 \text{ dB} \)

\( \geq 90 \text{ dB} \) ( except spurious )

2.4. Terminating impedance ( input and output ): 2000 \( \Omega \) // 0 pF

3. Marking: manufacturer, date code 21.4-3000/11

4. Environment conditions: Corresponding to Vectron standard CF001