1. General
1.1. Package:

1.2. Type name: MQF 21.4-0250/04V0
1.3. Number of poles: 8
1.4. Operable temperature range: -20°C to +85°C
1.5. Operating temperature range: -10°C to +70°C
1.6. Storage temperature range: -40°C to +90°C

2. Electric values
2.1. Nominal centre frequency fo: 21.4 MHz

2.2. Pass band
2.2.1. Centre frequency fc (at +25°C): 21.4 MHz ± 200 Hz
2.2.2. Bandwidth between 3 dB - frequencies: ≥ fc ± 1.25 kHz
2.2.3. Ripple ( at fc ± 1.0 kHz ): ≤ 1.5 dB
2.2.4. Insertion loss: ≤ 7.0 dB
2.2.5. Reflection loss ( at fc ± 1.0 kHz ): ≥ 10 dB

2.3. Stop band
2.3.1. fc ± 3.5 kHz ≥ 60 dB
2.3.2. fc ± 25 kHz........ ≥ 90 dB
2.3.3. Spurious responses: ≥ 85 dB

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

2.5 3-rd order out band Intermodulation (IP3 > +27 dBm)

2.5.1. Frequency 1: 21.390 MHz / 21.395 MHz
2.5.2. Frequency 2: 21.410 MHz / 21.405 MHz
2.5.3. Input power: 0 dBm
2.5.4. 3rd order distortion (measured at 21.40 MHz): > 60 dB (down from either of the two test tones)

3. Marking:

OUT  manufacturer     IN
date code
MQF 21.4-0250/04V0
21.4 MHz / B: 2.5 kHz

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: _____________________________ date: _____________________________ name: ______________________________