1. General

1.1. Package:

1.2. Type name: MQF 10.7-2000/10

1.3. Number of poles: 10

1.4. Operating temperature range: -40°C to +80°C

1.5. Storage temperature range: -55°C to +85°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: ≥ fo ± 10 kHz

2.2.2. Ripple: ≤ 1 dB at fo ± 6.0 kHz

2.2.3. Group delay distortion: ≤ 35 µs at fo ± 7.0 kHz

2.2.4. Insertion loss: ≤ 4.0 dB

2.2.5. Return loss at fo ± 8 kHz: > 10 dB

2.3. Stop band

2.3.1. fo ± 20 kHz ≥ 60 dB

2.3.2. fo ± 40 kHz ≥ 90 dB

2.3.3. fo ± 40 kHz..... ± 10 MHz ≥ 90 dB (except spurious)

2.3.4. Spurious responses at fo ± 40 kHz..... ± 10 MHz ≥ 80 dB

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

2.5. Input power level: ≤ 10 mW

2.6. Intermodulation (out band)

frequency 1: fo ± 30 kHz

frequency 2: fo ± 60 kHz

input power level at pin 1 (input): -10 dBm

IM: ≥ 80 dB

3. Marking: manufacturer, date code

MQF 10.7-2000/10

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: _____________________________

date: _____________________________

name: _____________________________