1. General
1.1. Package:

1.2. Type name: MQF 70.7-0300/03
1.3. Number of poles: 6
1.4. Operating temperature range: +20°C to +60°C
1.5. Storage temperature range: -20°C to +70°C

2. Electric values
2.1. Nominal centre frequency fo: 70.7 MHz

2.2. Pass band
2.2.1. Centre frequency fc: 70.7 MHz ± 1500 Hz
2.2.2. Bandwidth between 3 dB - frequencies: 2.55 kHz ± 150 Hz at +25°C
2.2.3. Ripple: < 2.0 dB at fc ± 0.6 kHz
2.2.4. Insertion loss: < 11.5 dB
( measured on smallest attenuation in pass band )

2.3. Stop band
2.3.1. fc ± 7.5 kHz > 60 dB
2.3.2. Alternate attenuation > 60 dB (except spurious)

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

2.5. Nominal Input power level 0 dBm
2.5.1. Maximum Input power level + 10 dBm

2.6 In band Intermodulation
test tones:
fo +1 kHz / -1 kHz IM at 70.703 MHz / 70.697 MHz > 50 dB
fo +4 kHz / +2 kHz IM at 70.700 MHz > 50 dB
fo -4 kHz / -2 kHz IM at 70.700 MHz > 50 dB
Input power level
-10 dBm

3. Marking:
MQF 70.7-0300/03, date code
OEM marking on demand

4. Environment conditions:
Corresponding to Vectron standard CF001

31 January 2007