Specification for monolithic crystal filter series

MQF 135……..180.0-1400/T

1. General

1.1. Package:

1.2. Type name: MQF 1xx.xxx-1400/T
1.3. Number of poles: 4
1.4. Operating temperature range: 0°C to +60°C
1.5. Operable temperature range: -20°C to +70°C
1.6. Storage temperature range: -40°C to +85°C

2. Electric values

2.1. Nominal center frequency fo: 135……..180 MHz
T.B.D. by customer for each order
2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 7.0 kHz
2.2.2. Ripple: < 1.0 dB at fo ± 4.0 kHz
2.2.3. Insertion loss: < 6.0 dB
( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fo ± 30 kHz > 20 dB
2.3.2. fo ± 60 kHz > 45 dB ( except spurious )
2.3.3. Alternate attenuation > 50 dB ( except spurious )
2.3.4. Spurious responses: > 30 dB

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

2.5. Maximum input power level: -10 dBm / +5 dBm ( working / non-damaged )

3. Marking:

manufacturer, date code
MQF 1xx.xx-1400/T

e.g. for center frequency 139.325 MHz filter part description is: MQF139.325-1400/T

4. Environment conditions:

Corresponding to Vectron standard CF001

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Edited by: _______________________________ name: _______________________________