Specification for monolithic crystal filter series

MQF 135.0……..180.0-1500/J

1. General

1.1. Package:

1.2. Type name: MQF 1xx.xxx-1500/J
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 ± 7.5 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
   2.3.3. Alternate attenuation > 50 dB (except spurious)
   2.3.4. Spurious responses: > 30 dB at fo±30 kHz < f < fo±2 MHz
2.4. Terminating impedance (input and output): 50 Ω // 0 pF
2.5. Maximum input power level
   nominal: -10 dBm
   non-damaged: 0 dBm

3. Marking: manufacturer, date code
   MQF 1xx.xxx-1500/J
   e.g. for center frequency 139.325 MHz filter part description is: MQF 139.325-1500/J

4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: date: ______________________ name: ______________________