Specification for monolithic crystal filter: MQF 21.4-4000/03

1. General
1.1. Package:

1.2. Type name: MQF 21.4-4000/03
1.3. Number of poles: 6
1.4. Operating temperature range: -40°C to +85°C
1.5. Storage temperature range: -55°C to +125°C

2. Electric values
2.1. Nominal centre frequency \( f_0 \): 21.4 MHz
2.2. Pass band
   2.2.1. Bandwidth between 3 dB - frequencies: \( > f_0 \pm 20.0 \text{ kHz} \)
   2.2.2. Ripple at \( f_0 \pm 16.0 \text{ kHz} \): < 2.0 dB
   2.2.3. Insertion loss: < 4.0 dB
      (measured on smallest attenuation in pass band)
2.3. Stop band
   2.3.1. \( f_0 \pm 60 \text{ kHz} \): > 60 dB
   2.3.2. Alternate attenuation: > 80 dB (except spurious)
   2.3.3. Spurious responses allowed in frequency range: \( f_0 + 60 \ldots + 2.0 \text{ MHz} \)
2.4. Terminating impedance (input and output): 1500 \( \Omega \) // 0 pF
2.5. Maximum drive level (working / non-damaged): 0 dBm / +15 dBm
3. Marking: manufacturer, date code
   MQF 21.4-4000/03
4. Environment conditions: Vectron MIL-standard

Edited by: ____________________________  date: ____________________________  name: ____________________________