Specification for monolithic crystal filter series MQF 118…….137-1500/GN

1. General
1.1. Package:

1.2. Type name: MQF 1xxx.xxx-1500/GN
1.3. Number of poles: 6
1.4. Operating temperature range: -20°C to +70°C
1.5. Storage temperature range: -45°C to +85°C

2. Electric values
2.1. Nominal center frequency fo: 118………137 MHz
   T.B.D. by customer for each order
2.2. Pass band
   2.2.1. Bandwidth between 3 dB - frequencies: \( \geq f_0 \pm 7.5 \text{ kHz} \)
   2.2.2. Ripple: \( \leq 1.0 \text{ dB at } f_0 \pm 5.0 \text{ kHz} \)
   2.2.3. Insertion loss:
       (measured on smallest attenuation in pass band)
       \( \leq 6.5 \text{ dB} \)
2.3. Stop band
   2.3.1. \( f_0 \pm 20 \text{ kHz} \)
   2.3.2. \( f_0 \pm 30 \text{ kHz} \)
   2.3.3. Alternate attenuation \( \geq 60 \text{ dB except spurious} \)
   2.3.4. Spurious responses for \( f > f_0+30\text{kHz} \):
       \( \geq 40 \text{ dB} \)
2.4. Terminating impedance (input and output):
   \( 50 \Omega // 0 \text{ pF} \)
2.5. Maximum input power level:
   \(-5 / +20 \text{ dBm (working / non-damaged)} \)

3. Marking:
   manufacturer, date code
   MQF 1xx.xxx-1500/GN
   e.g. for center frequency 119.325 MHz filter part description is MQF119.325-1500/GN

4. Environment conditions:
   Corresponding to Vectron standard CF001

Edited by: __________________________ date: __________________________ name: __________________________