Specification for monolithic crystal filter: MQF 45.0-1200/13

1. General

1.1. Package (RoHS compliant):

![Package Diagram]

1.2. Type name: MQF 45.0-1200/13
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 centre frequency fo: 45.0 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 6.0 kHz
2.2.2. Ripple: < 2.0 dB at fo ± 4.0 kHz
2.2.3. Insertion loss: < 4.0 dB
   (measured on smallest attenuation in pass band)

2.3. Stop band

2.3.1. fo ± 20 kHz > 60 dB
2.3.2. Alternate attenuation fo ± 910 kHz > 90 dB

2.4. Terminating impedance R/C (input and output): 500 Ω // 4.5 pF

2.5. Maximum input power level: 0 dBm / +10 dBm (working / non-damaged)

2.6. 3rd order IP3
   - input power -20dBm > +20dBm (3rd order IM products at fo to be 80 dB down from both -20 dBm input tones)
   - test tones at ±25 kHz and ± 50 kHz

3. Marking:
   input marker, manufacturer, date code
   45.0-1200/13

4. Environment conditions:
   Corresponding to Vectron standard CF001

5. Packing:
   bulk (maximum 225 pcs./box)
   card box dimension: (200 x 145 x 35) mm

Edited by: __________________________ date: ________________ name: __________________________