Specification for crystal filter: **Q F 7 0 . 0 - 2 0 0 0 0 / 0 9**

1. General
1.1. Package:

   **pin connection:**
   
   #1: Input
   #3: Output
   #2, 4: GND

   **Note:** Package GS14.2 is not suitable for reflow soldering

1.2. Type name: QF 70.0-20000/09
1.3. Number of poles: 8
1.4. Operating temperature range: -40°C to +85°C
1.5. Storage temperature range: -40°C to +85°C

2. Electric values

2.1. Nominal centre frequency fo: 70.0 MHz

2.2. Pass band

   2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 100 kHz
   2.2.2. Ripple in pass band: < 2.0 dB (peak to peak)
   2.2.3. Insertion loss: < 4.5 dB
      (measured on smallest attenuation in pass band)

2.3. Stop band

   2.3.1. fo ± 220 kHz: > 60 dB (except spurious)
   2.3.2. Guaranteed attenuation (fo ± 5…….±70 MHz): > 70 dB

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

2.5. Maximum input power level: 0 / +15 (working / non-damaged)

3. Marking: manufacturer, date code
   QF 70.0-20000/09

4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: date: ______________________________ name: ___________________________________