Specification for monolithic crystal filter:  

**MQF 44.814 - 3000/04**

1. **General**
   
1.1. Package:

1.2. Type name: MQF 44.814-3000/04

1.3. Number of poles: 8

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 \( f_0 \): 44.814 MHz

2.2. **Pass band**

2.2.1. Bandwidth between 3 dB - frequencies: \( > f_0 \pm 15 \) kHz

2.2.2. Ripple: \( < 2.0 \) dB at \( f_0 \pm 10 \) kHz

2.2.3. Insertion loss:
( measured on smallest attenuation in pass band )

\( < 4.0 \) dB

2.3. **Stop band**

2.3.1. \( f_0 \pm 40 \) kHz

\( > 60 \) dB

2.3.2. \( f_0 \pm 60 \) kHz

\( > 80 \) dB

2.3.3. Alternate attenuation:

\( > 80 \) dB (except spurious)

2.4. Terminating impedance (input and output): 650 Ω // 2.0 pF

2.5. Input power level:

+10 dBm / +20 dBm (working/non-damaged)

3. **Marking:**

manufacturer, date code

44.814-

3000/04

4. **Environment conditions:**

Vectron MIL standard

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Edited by: ___________________________ name: ___________________________