Specification for monolithic crystal filter:  

**MQF 21.4 - 3000/06**

1. General

1.1. Package:

![Package Diagram]

1.2. Type name: MQF 21.4-3000/06
1.3. Number of poles: 8
1.4. Operating temperature range: -30°C to +70°C
1.5. Storage temperature range: -35°C to +85°C

2. Electric values

2.1. Nominal centre frequency fo: 21.4 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: \( \geq fo \pm 15 \text{ kHz} \)
2.2.2. Ripple: \( \leq 2.0 \text{ dB at } fo \pm 12 \text{ kHz} \)
2.2.3. Insertion loss: \( \leq 3.5 \text{ dB} \)
   (measured on smallest attenuation in pass band)

2.3. Stop band

2.3.1. \( fo \pm 35 \text{ kHz} \) \( \geq 70 \text{ dB} \)
2.3.2. \( fo \pm 50 \text{ kHz} \) \( \geq 90 \text{ dB} \)
2.3.3. Alternate attenuation: \( \geq 90 \text{ dB} \) (except spurious)

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

3. Marking:

   manufacturer, date code
   MQF 21.4-3000/06

4. Environment conditions:

   Corresponding to Vectron standard CF001

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Edited by: ________________________________  date: ________________________________  name: ________________________________