Specification for monolithic crystal filter: **MQF 38.855-1500/02**

1. **General**
1.1. Package: 2 x GH9 (each filter consists of a matched pair of two GH9 duals)

![GH9 diagram](image)

1.2. Type name: MQF 38.855-1500/02
1.3. Number of poles: 4
1.4. Operating temperature range: -20°C to +70°C
1.5. Storage temperature range: -35°C to +85°C

2. **Electric values**
2.1. Nominal centre frequency $f_0$: 38.855 MHz

2.2. **Pass band**
2.2.1. Bandwidth between 3 dB - frequencies: $\geq f_0 \pm 7.5$ kHz
2.2.2. Ripple at $f_0 \pm 5.0$ kHz: $\leq 1.0$ dB (peak to peak)
2.2.3. Insertion loss: $\leq 2.5$ dB
   (measured on smallest attenuation in pass band)

2.3. **Stop band**
2.3.1. $f_0 \pm 25$ kHz: $\geq 30$ dB
2.3.2. $f_0 +600\ldots+1000$kHz: $\geq 70$ dB
2.3.3. $f_0 -200\ldots-1000$kHz: $\geq 70$ dB

2.4. Terminating impedance $R//C$ (input and output): 600 $\Omega$ // 3.0 pF
2.4.1. Coupling capacitance (Cc): 15.4 pF

3. **Marking:** manufacturer, date code
3.1. 38.855-1500/02

4. **Environment conditions:** Corresponding to Vectron standard CF001

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Edited by: ___________________________ date: __________ name: ________________________