Specification for monolithic crystal filter: **MQF 29.255-1500/02**

1. **General**

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

1.2. Type name: MQF 29.255-1500/02

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 $f_0$: 29.255 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: $\leq 2.0$ 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

   29.255-1500/02

4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: ____________________________ date: ____________________________ name: ____________________________