Specification for monolithic crystal filter: \textit{MQF 70.0 - 0500/09}

1. General
1.1. Package:

Reflow soldering: three times max.

\begin{itemize}
\item \textbf{MQF 70.0 - 0500/09}
\item \textbf{GS 2}
\end{itemize}
1.2. Type name: MQF 70-0500/09
1.3. Number of poles: 2
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 fo: 70.0 MHz

2.2. Pass band

2.2.1. Centre frequency fc at +25°C: 70.0 MHz ± 900 Hz
2.2.2. Bandwidth between 3 dB frequencies: > fc ± 2.5 kHz
2.2.3. Ripple: < 1.0 dB at fo ± 12 kHz
2.2.4. Insertion loss: < 5.0 dB
   (measured on smallest attenuation in pass band)
2.2.5. Differential group delay: < 20 µs at fo ± 15 kHz

2.3. Stop band

2.3.1. fc ± 10 kHz > 15 dB
2.3.2. fc ± 25 kHz > 30 dB
2.3.3. fc-200kHz...fc-1MHz / fc+500 kHz...fc+1MHz > 35 dB
2.3.4. Spurious responses fc+100 kHz........fc+1.2 MHz > 15 dB

2.4. Terminating impedance R//C (input and output): 1000 Ω // 0 pF

2.5. Maximum input power level
    operating: -10 dBm
    non - damaged: +10 dBm

3. Marking: • 705S1
date code

4. Environment conditions: Corresponding to Vectron CF001

5. Filters are Pb-free and 2002 /95 / EC RoHS compliant

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Edited by: date: ___________________________ name: ___________________________