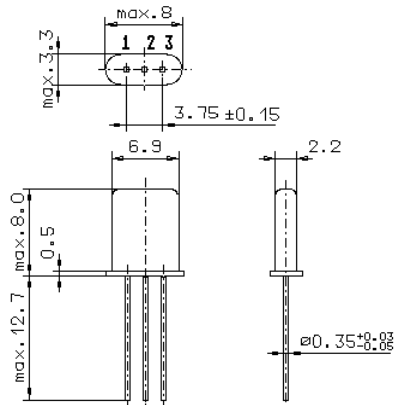


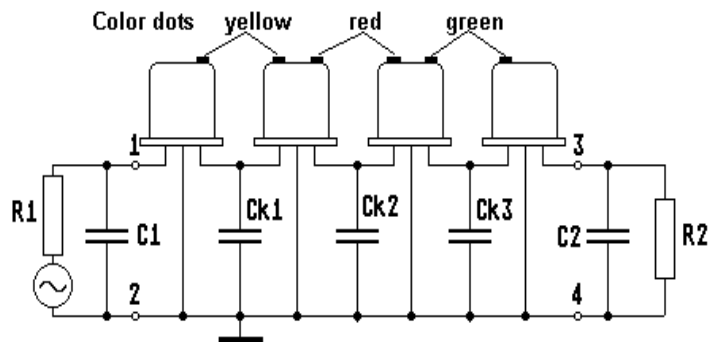
Specification for monolithic crystal filter: **MQF 21.4-0900/06**

1. General

1.1. Package: (each filter consists of 4 matched duals in GH9 package)



GH9



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-0900/06 |
| 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 : 21.4 MHz

2.2. Pass band

- | | |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | $\geq f_0 \pm 4.5$ kHz |
| 2.2.2. Ripple in pass band: | ≤ 1.0 dB peak to peak |
| 2.2.3. Differential group delay | ≤ 30 μ s at $f_0 \pm 2.8$ kHz
≤ 10 μ s at $f_0 \pm 1.6$ kHz |
| 2.2.4. Insertion loss:
(measured on smallest attenuation in pass band) | ≤ 3.0 dB |

2.3. Stop band

- | | |
|------------------------------|--------------|
| 2.3.1. $f_0 \pm 12.5$ kHz | ≥ 60 dB |
| 2.3.2. Alternate attenuation | ≥ 80 dB |

- | | |
|--------------------------------------------------|---------------------------------------------|
| 2.4. Terminating impedance (input and output): | 1600 Ω // 0.5 pF |
| Coupling capacitances: | Ck1 = Ck3 = 10.4 pF
Ck2 = 12.8 pF |
| 2.5. Maximum input power level: | +10 dBm / +25 dBm (working / non damaged) |

3. Marking on the package:	manufacturer, date code MQF 21.4-0900/06
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4. Environment conditions:	Corresponding to Telefilter CF001
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Edited by: _____ date: _____ name: _____