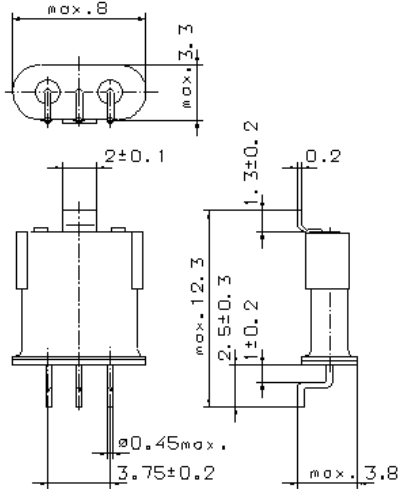


Specification for monolithic crystal filter:

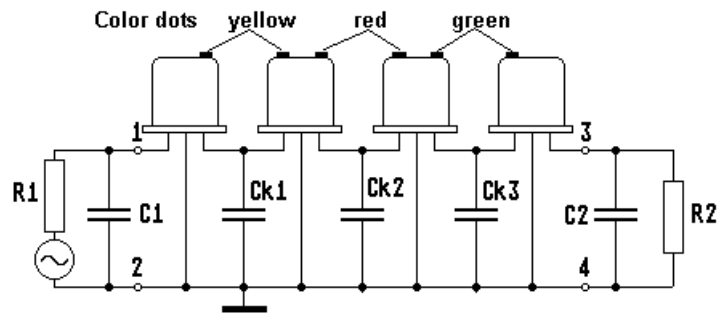
MQF 45.0-2000/18

1. General

1.1. Package:



GH9S1



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 45.0-2000/18 |
| 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 fo: | 45.0 MHz |
|-----------------------------------|----------|

2.2. Pass band

- | | |
|---|--------------------------|
| 2.2.1. Bandwidth between 6 dB - frequencies: | > fo ± 10 kHz |
| 2.2.2. Ripple: | < 1.0 dB at fo ± 6.0 kHz |
| 2.2.3. Insertion loss: | < 4.5 dB |
| (measured on smallest attenuation in pass band) | |

2.3. Stop band

- | | |
|--|-----------------------------|
| 2.3.1. fo ± 17.5 kHz | > 30 dB |
| 2.3.2. fo ± 32.5 kHz | > 85 dB (except spurious) |
| 2.3.3. Alternate attenuation: fo - 910 kHz | > 85 dB |

- | | |
|--|-----------------|
| 2.4. Terminating impedance (input and output): | 550 Ω // 3.7 pF |
|--|-----------------|

- | | |
|--|-----------------------------|
| 2.5. Coupling capacitance: Ck1 Ck2 Ck3 | 10.0 pF 10.0 pF 10.0 pF |
|--|-----------------------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
MQF 45.0-2000/18 |
|-------------|---|

- | | |
|----------------------------|---|
| 4. Environment conditions: | Corresponding to Vectron standard CF001 |
|----------------------------|---|

Edited by: _____ date: _____ name: _____