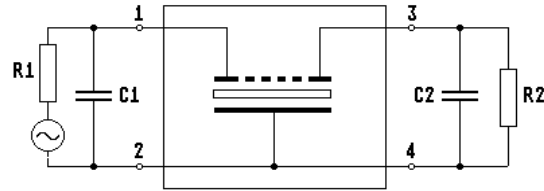
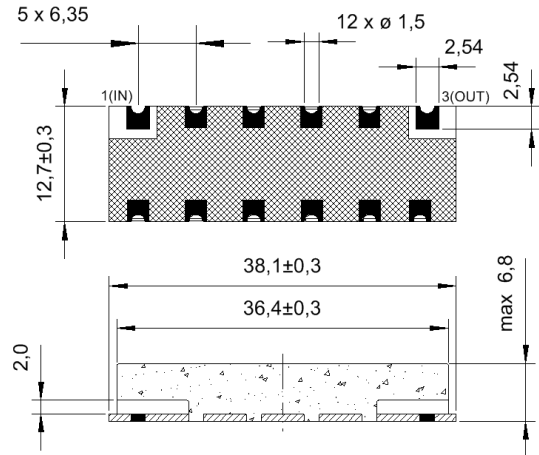


Specification for monolithic crystal filter:

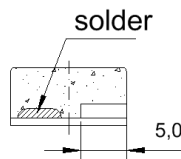
MQF 21.4-3000/55

1. General

1.1. Package:



GS 21



1: Input
3: Output
All the other 10pads are connected with GND

- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | MQF 21.4-3000/55 |
| 1.3. Number of poles: | 10 |
| 1.4. Operating temperature range: | -40°C to +85°C |
| 1.5. Storage temperature range: | -55°C to +105°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: | $> f_0 \pm 15$ kHz |
| 2.2.2. Ripple: | < 2.0 dB at $f_0 \pm 12.0$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | < 4.0 dB |

2.3. Stop band

- | | |
|------------------------------------|-------------------------------|
| 2.3.1. $f_0 \pm 30$ kHz: | > 70 dB |
| 2.3.2. $f_0 \pm 40 \dots 500$ kHz: | > 80 dB (except spurious) |
| 2.3.3. Alternate attenuation: | > 80 dB (except spurious) |

- | | |
|---|---------------------|
| 2.4. Terminating impedance R//C (input and output): | $50 \Omega // 0$ pF |
|---|---------------------|

- | | |
|---|-------------------|
| 2.5. Maximum input power (working / non-damaged): | +10 dBm / +25 dBm |
|---|-------------------|

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
OUT IN
MQF 21.4-3000/55 |
|-------------|---|

- | | |
|----------------------------|--|
| 4. Environment conditions: | Corresponding to Vectron standard CF 001 |
|----------------------------|--|

Edited by: _____ date: _____ name: _____