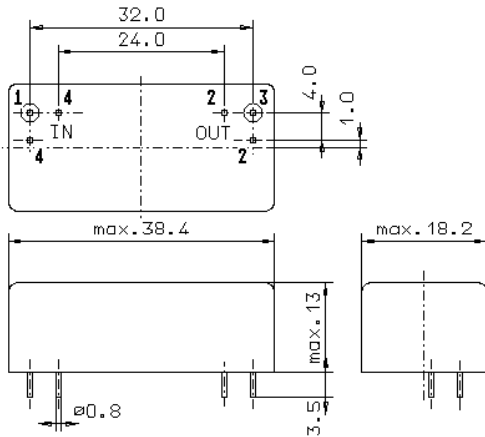


Specification for crystal filter:

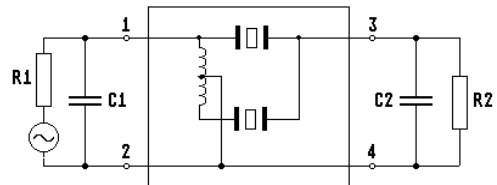
QF 21.4-16000/03

1. General

1.1. Package:



GM17.1



- | | |
|-----------------------------------|------------------|
| 1.2. Type name: | QF 21.4-16000/03 |
| 1.3. Number of poles: | 6 |
| 1.4. Operating temperature range: | -30°C to +70°C |
| 1.5. Storage temperature range: | -40°C to +90°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: | $> f_0 \pm 80$ kHz |
| 2.2.2. Ripple: | < 2.0 dB at $f_0 \pm 60$ kHz |
| 2.2.3. Insertion loss:
(measured on smallest attenuation in pass band) | < 4.5 dB |

2.3. Stop band

- | | |
|---|-----------|
| 2.3.1. $f_0 \pm 220$ kHz | > 50 dB |
| 2.3.2. $f_0 \pm 280$ kHz | > 70 dB |
| 2.3.3. Alternate attenuation: | > 80 dB |
| 2.3.4. Spurious responses at f_0+200 kHz to $f_0+1.0$ MHz | > 25 dB |

- | | |
|--|-------------------------------------|
| 2.4. Terminating impedance (input and output): | $50 \Omega // 0$ pF |
| 2.5. Maximum input power level: | +10 / +15 (working / non-damaged) |

- | | |
|-------------|---|
| 3. Marking: | manufacturer, date code
QF 21.4-16000/03 |
|-------------|---|

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

Edited by: _____ date: _____ name: _____