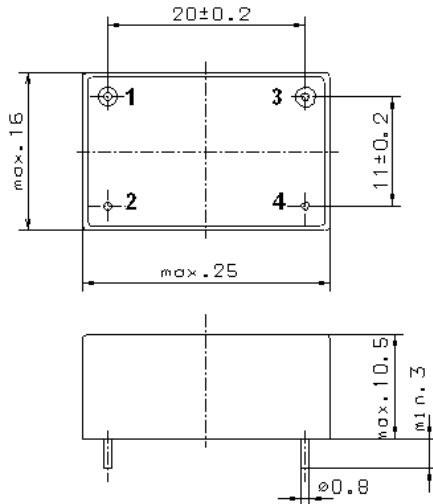


Specification for monolithic crystal filter

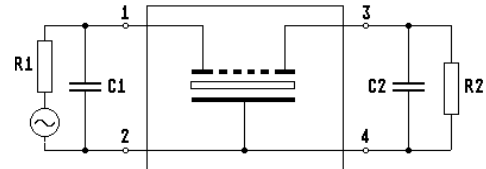
MQF 70.425-3400/04

1. General

1.1. Package:



GM47.1



- | | |
|-----------------------------------|--------------------|
| 1.2. Type name: | MQF 70.425-3400/04 |
| 1.3. Number of poles: | 8 |
| 1.4. Operating temperature range: | -20°C to +70°C |
| 1.5. Operable temperature range: | -55°C to +105°C |
| 1.6. Storage temperature range: | -55°C to +125°C |

2. Electric values

- | | |
|-----------------------------------|------------|
| 2.1. Nominal centre frequency fo: | 70.425 MHz |
|-----------------------------------|------------|

2.2. Pass band

- | | |
|---|--------------------------|
| 2.2.1. Bandwidth between 3 dB - frequencies: | ≥ fo ± 17 kHz |
| 2.2.2. Ripple: | ≤ 2.0 dB at fo ± 12 kHz |
| 2.2.3. Group delay distortion: | ≤ 50 μs at fo ± 12.5 kHz |
| 2.2.4. Insertion loss: | ≤ 5.0 dB |
| (measured on smallest attenuation in pass band) | |

2.3. Stop band

- | | |
|----------------------------|-----------------------------|
| 2.3.1. fo ± 30 kHz | ≥ 30 dB |
| 2.3.2. fo ± 50 kHz | ≥ 60 dB |
| 2.3.3. fo ± 0.1.....10 MHz | ≥ 80 dB (except spurious) |

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

- | | |
|-------------|--|
| 3. Marking: | manufacturer, date code
OEM marking on demand |
|-------------|--|

- | | |
|----------------------------|---|
| 4. Environment conditions: | Corresponding to Vectron standard CF010 |
|----------------------------|---|

Edited by: _____ date: _____ name: _____