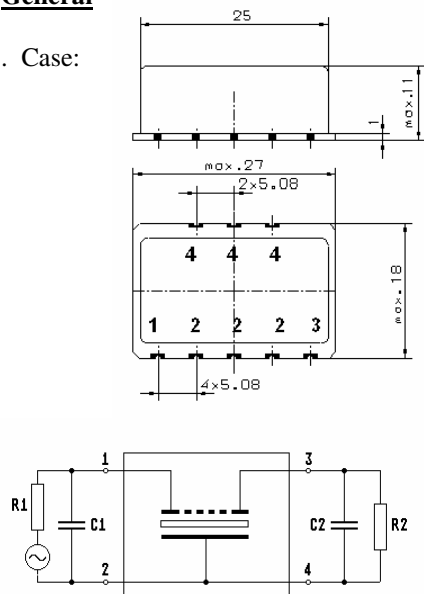


Specification for monolithic crystal filter

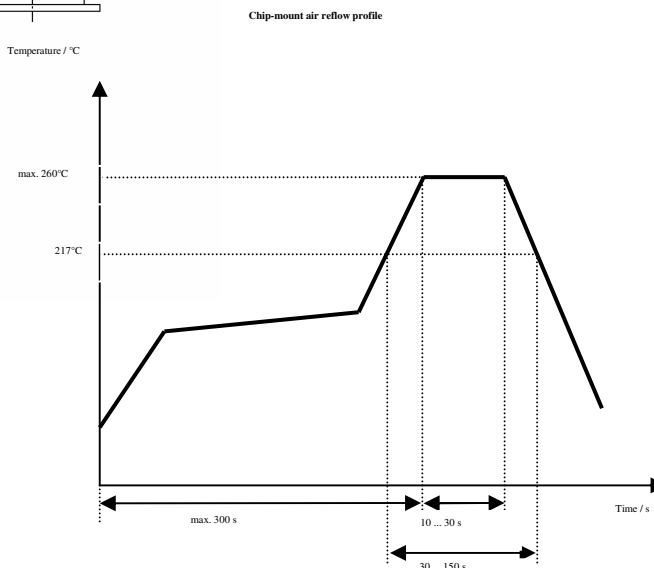
MQF 71.85 - 2500 / 11

1. General

1.1. Case:



GS3.1



1.2. Type name:

MQF 71.85-2500/11

1.3. Number of poles:

6, fundamental mode

1.4. Operating temperature range:

-40°C to +70°C

1.5. Storage temperature range:

-45°C to +85°C

2. Electric values

2.1. Nominal centre frequency f_0 :

71.85 MHz

2.2. Pass band

2.2.1. Bandwidth between 6 dB - frequencies:

$> f_0 \pm 12.5$ kHz

2.2.2. Ripple:

< 1.5 dB at $f_0 \pm 9$ kHz

2.2.3. Group delay distortion:

< 14 μ s at $f_0 \pm 9$ kHz

2.2.4. Insertion loss:

< 4.5 dB

(measured on smallest attenuation in pass band)

2.3. Stop band

2.3.1. $f_0 \pm 30$ kHz

> 20 dB

2.3.2. $f_0 \pm 45$ kHz

> 40 dB

2.3.3. $f_0 \pm 60$ kHz

> 55 dB

2.3.4. $f_0 - 900$ kHz.....-1000 kHz

> 80 dB

2.3.5. Spurious responses:

> 50 dB

2.4. Terminating impedance (input and output):

50 Ω // 0 pF

2.5. Maximum input level:

-5 dBm (+5 dBm non-damaged)

3. Marking on the case:

manufacturer, date code

MQF 71.85-2500/11

4. Environment conditions:

Corresponding to Telefilter CF001