Specification for monolithic crystal filter: MQF 10.7-1600/13

1. General
1.1. Package:

1.2. Type name: MQF 10.7-1600/13
1.3. Number of poles: 12
1.4. Operating temperature range: -20°C to +70°C
1.5. Storage temperature range: -45°C to +85°C

2. Electric values (corresponding to ETSI EN 300 086-1 V1.3.1 (2008-09))

2.1. Nominal centre frequency fo: 10.7 MHz

2.2. Pass band
2.2.1. Pass band at 6 dB-frequencies (at +25°C):
fo - 8.0 kHz ± 100 Hz
fo + 8.0 kHz ± 3.5 kHz

2.2.2. Pass band at 2 dB-frequencies:
fo - 5.0 kHz + 3.1 kHz
fo + 5.0 kHz ± 3.5 kHz

2.2.3. Insertion loss:
( measured on smallest attenuation in pass band ) < 3.5 dB

2.3. Stop band
2.3.1. fo - 9.25 kHz / fo + 12.75 kHz
> 26 dB
2.3.2. fo - 13.25 kHz / fo + 16.75 kHz
≥ 90 dB
2.3.3. Alternate attenuation:
≥ 90 dB

2.4. Terminating impedance (input and output):
50 Ω // 0 pF

2.5. Typical input power level:
+10 dBm

3. Marking:
manufacturer, date code
MQF 10.7-1600/13

4. Environment conditions:
Corresponding to Vectron standard CF001

Edited by: ____________________________ date: ____________________________ name: ____________________________