Specification for crystal filter: QF 90.0-5200/04

1. General

1.1. Package:

1.2. Type name: QF 90.0-5200/04

1.3. Number of poles: 4

1.4. Operating temperature range: -20°C to +70°C

1.5. Storage temperature range: -40°C to +85°C

2. Electric values

2.1. Nominal centre frequency fo: 90.0 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 26 kHz

2.2.2. Ripple: < 1.0 dB at fo ± 20.0 kHz

2.2.3. Insertion loss:

( measured on smallest attenuation in pass band )

< 5.0 dB

2.2.4. Group delay distortion:

< 5.0 µs at fo ± 12.0 kHz

2.3. Stop band

2.3.1. fo ± 65kHz > 30 dB

2.3.2. fo ± 200 kHz > 70 dB (except spurious )

2.3.3. 100 MHz……105 MHz > 90 dB

2.3.4. Spurious response fo + 200 kHz...fo +2500 kHz > 30 dB

2.4. Terminating impedance ( input and output ):

50 Ω // 0 pF

2.5. Input power level for reference measurement:

0 dBm

Maximum input power level without destruction:

+10 dBm

2.6. 3rd order outband Intermodulation products ( IP3 )

input power level: -5 dBm per tone

> +30 dBm ( 70dB down from both -5dBm test tones )

input power level: -15 dBm per tone

> +25 dBm ( 80dB down from both -15dBm test tones )

3. Marking:

manufacturer, date code

27S32693831

QF 90.0-5200/04

4. Environment conditions:

Corresponding to Vectron MIL standard

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Edited by: ___________________________ date: ___________________________ name: ___________________________