1. General

1.1. Package:

1.2. Type name: MQF 1xx.xxx-2500/R

1.3. Number of poles: 4

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

1.5. Storage temperature range: -35°C to +85°C

2. Electric values

2.1. Nominal center frequency fo: 118……….137 MHz

T.B.D. by customer for each order

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: > fo ± 12.5 kHz

2.2.2. Ripple: < 1.0 dB at fo ± 8.0 kHz

2.2.3. Insertion loss: < 4.0 dB

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. fo ± 60 kHz > 40 dB

2.3.2. fo ± 90 kHz > 55 dB except spurious

2.3.3. Alternate attenuation > 55 dB except spurious

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

2.5. Maximum input power level: -10 / +10 ( working / non-damaged )

2.6. Out band Intermodulation with test tones f1/f2 at fo ± 100 / ± 200 kHz and input power of -10 dBm > 78 dB down from each of both -10 dBm test tones ( IP3 > +29 dBm )

3. Marking:

VECTRON YYWW
MQF xxx.xxx-2500/R

e.g. for center frequency of 121.5 MHz the filter part description is MQF 121.5-2500/R

4. Environment conditions: Corresponding to Vectron standard CF001

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Edited by: ___________________________ date: __________ name: ___________________________