1. General

1.1. Package:

1.2. Type name: QF 10.7-0020/04V1

1.3. Number of poles: 4

1.4. Operable temperature range: -10°C to +60°C

1.5. Operating temperature range: +10°C to +50°C

1.6. Storage temperature range: -25°C to +80°C

2. Electric values

2.1. Nominal centre frequency fo: 10.7 MHz

2.2. Pass band

2.2.1. Centre frequency fc (measured at 6-dB frequencies): \( \pm 10.7 \text{ MHz} \pm 200 \text{ Hz} \)

2.2.2. Bandwidth between 6 dB - frequencies: \( \geq fc \pm 85 \text{ Hz} \)

2.2.3. Bandwidth between 20 dB - frequencies: \( \leq fc \pm 108.5 \text{ Hz} \)

2.2.4. Group delay distortion \( \leq 1 \text{ ms (within 3 dB bandwidth)} \)

2.2.5. Insertion loss: \( \leq 12 \text{ dB} \)

2.3. Stop band

2.3.1. fc \( \pm 1 \text{ kHz} \) \( \pm 10 \text{ kHz} \) \( \geq 60 \text{ dB} \)

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

2.5. Intermodulation

2.5.1. Intercept point (IP3)

frequency 1: fo +5 kHz

frequency 2: fo -5 kHz

input power level: 0 dBm

IM: \( > 50 \text{ dB} \)

2.6. Level unlinearity: \( \leq 1.5 \text{ dB (at -50 dBm to 0 dBm)} \)

3. Marking:

manufacturer, date code

QF 10.7-0020/04V1

4. Environment conditions:

Corresponding to Vectron standard CF001

---

Edited by: ___________________________ date: _______________ name: ___________________________