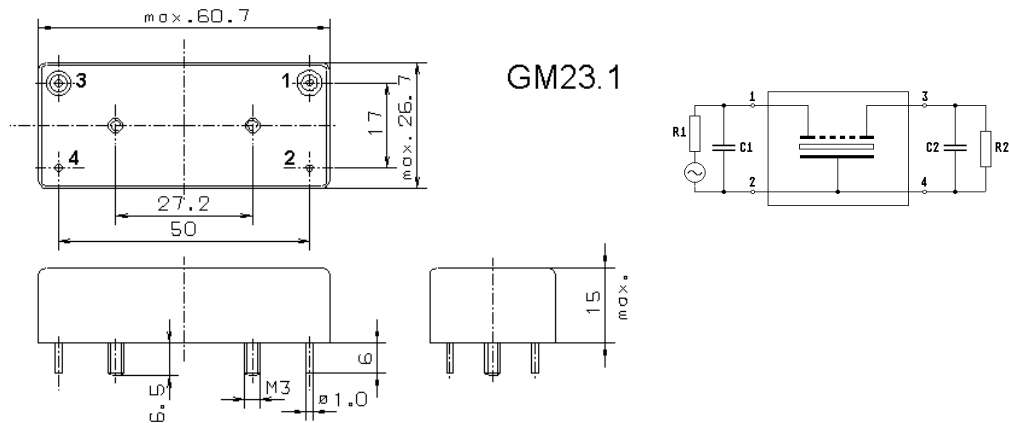


1. General

1.1. Package:



1.2. Type name:	MQF 70.0-0800/08
1.3. Number of poles:	6
1.4. Operating temperature range:	-40°C to +80°C
1.5. Storage temperature range:	-55°C to +90°C
2. Electric values	
2.1. Nominal centre frequency fo:	70.0 MHz
2.2. Pass band	
2.2.1. Bandwidth between 3 dB - frequencies:	> fo ± 4.0 kHz
2.2.2. Ripple at fo ± 3.4 kHz:	< 2 dB
	< 1 dB at -20°C to +70°C
2.2.3. Group delay distortion at fo ± 2.4 kHz:	< 50 µs
Group delay distortion at fo ± 3.4 kHz:	< 50 µs at -20°C to +70°C
2.2.4. Absolute group delay at fo ± 3.4 kHz:	< 200 µs
2.2.5. Insertion loss: (measured on smallest attenuation in pass band)	≤ 4.0 dB
2.3. Stop band	
2.3.1. fo ± 12 kHz	> 30 dB
2.3.2. fo ± 11 kHz	> 30 dB at -20°C to +70°C
2.3.3. fo ± 20 kHz	> 60 dB
2.3.4. fo ± 40 kHz	> 80 dB
2.3.5. fo +40 kHz.....+200 kHz	> 80 dB (spurious responses > 75 dB)
2.3.6. fo +200 kHz.....+500 kHz	> 30 dB
2.4. Terminating impedance (input and output):	50 Ω // 0 pF
2.5. Return loss at fo ± 3.4 kHz:	> 10 dB
2.6. Intermodulation at input power level 0 dBm	
2.6.1. 70.1 MHz / 70.2 MHz (out band):	IM: < -70 dB
2.6.2. 70.0009 MHz / 70.0015 MHz (inband):	IM: < -40 dB
2.7. Input power level:	≤ 0 dBm for test, ≤ +15 dBm without damage
3. Marking:	manufacturer, date code MQF 70.0-0800/08
4. Environment conditions:	Corresponding to Vectron standard CF003