

QSF406A4-38

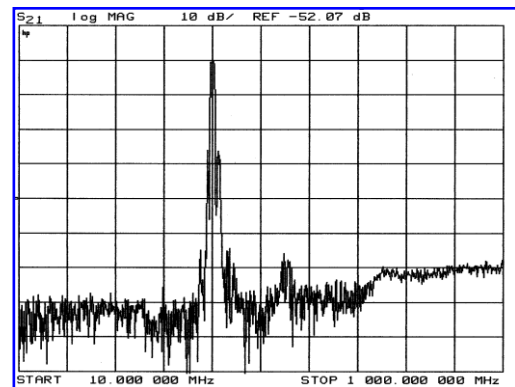
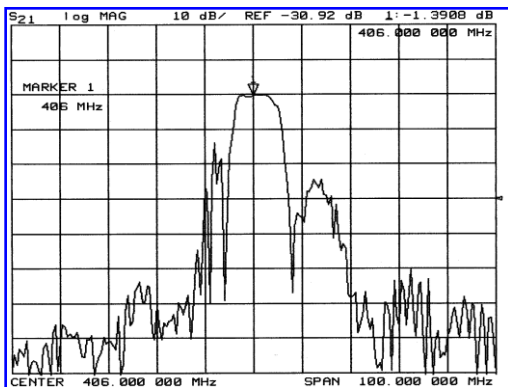
406 MHz
SMD RF-SAW filter



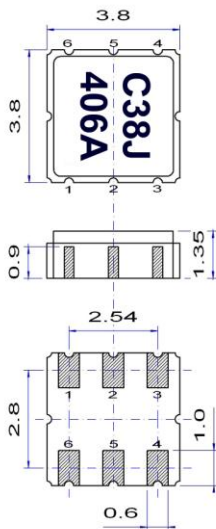
Application: COSPAS-SARSAT emergency beacon Class 1 & 2

Parameters Description	Unit	Value	Remarks	
Centre frequency (Fo)	MHz	406		
Passband width (404 ~ 408 MHz)	MHz	> ±2		
Insertion loss (404 ~ 408 MHz)	dB	< ±3.5	±2 Typ.	
Peak to peak ripple (404 ~ 408 MHz)	MHz	< 2.0	1.0 Typ.	
Stop band rejection	Fo -100 ~ Fo -40.8 MHz	dB	> 50	55 Typ.
	Fo +40.8 ~ Fo +100 MHz	dB	> 50	55 Typ.
Terminating impedance	Ω	50		
Maximum DC voltage	V	10		
Maximum input power	dBm	10		
Temperature coefficient	Ppm/°C	-32		
Operating temperature	°C	-40 ~ +85	+25 Typ.	
Storage temperature range	°C	-40 ~ +85		

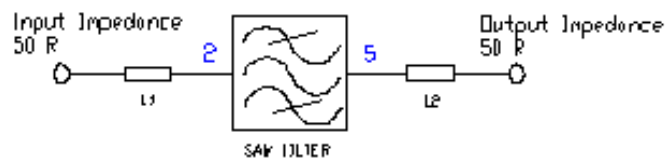
Typical Performance



Package Dimension



Matching Configuration



- A. Source Load Impedance = 50Ω → L1 = L2 = 0 Ω (short circuit)
- B. Source Load Impedance = 150Ω → L1 = L2 = 100 Ω

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QuartzCom
the communications company

