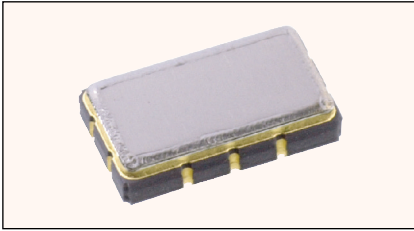


Surface Acoustic Wave Filter (SAW Filter)



TQS-465AA-7R

Features

- Miniature size : 6.0(W) x 3.5(D) x 1.15(H)mm
- High attenuation
- High selectivity

Application

- IF filter for Cellular Phone CDMA system

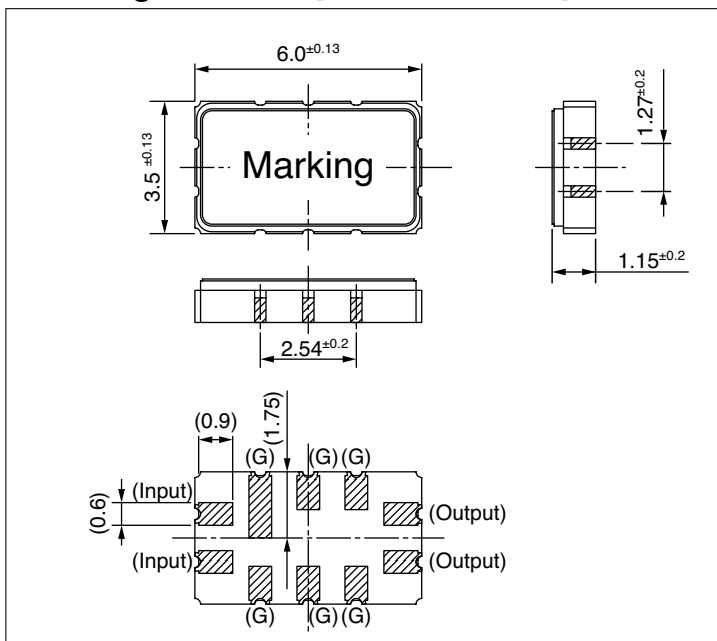
Specifications

TQS-465AA-7R	min.	typ.	max.
Nominal frequency [fo]		183.6MHz	
5dB Pass band (Relative to I.L. at fo)	fo ± 615 kHz	fo ± 663 kHz	
Insertion loss (at fo) Including losses in matchng circuit		8.0 dB (*1) 9.0 dB (*2)	11.0 dB
Passband deviation (within fo±300 kHz)		0.4 dB	1.2 dB
Pass band ripple (within fo±300 kHz)		0.4 dB	1.2 dB
Phase linearity (within fo ± 615 kHz)		1.9°RMS	3.2°RMS
Stop band attenuation (Referred to I.L. at fo)			
at fo ± 0.9 MHz	33 dB	40 dB	
at fo ± 1.25 MHz	33 dB	41 dB	
at fo ± 1.70 MHz	33 dB	43 dB	
at fo ± 2.05 MHz	33 dB	38 dB	
10MHz ≤ f ≤ fo-9.0 MHz	40 dB	45 dB	
fo+9.0MHz ≤ f ≤ fo+15.0 MHz	35 dB	41 dB	
fo+15.0MHz < f ≤ fo+100 MHz	45 dB	50 dB	
Terminating impedance	Input	Balanced or Unbalanced : 1020 Ω // -2.5 pF	
	Output	Balanced or Unbalanced : 810 Ω // -4.4 pF	
Operating temperature range		-30 °C to +85 °C	

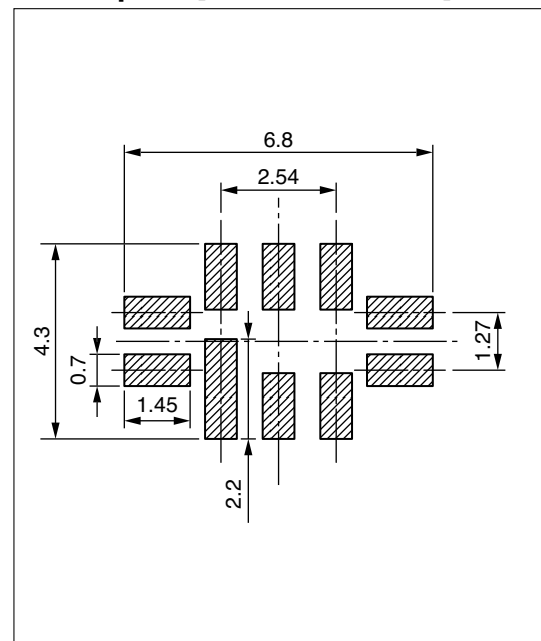
(*1) Matching inductor size is 1008 (inch)

(*2) Matching inductor size is 0603 (inch)

Package Outlines [Dimensions in mm]



Footprint [Dimensions in mm]



Surface Acoustic Wave Filter (SAW Filter)

IF Filter for Cellular Phone
CDMA system

TQS-465AA-7R
183.6 MHz

■ Electrical Data

