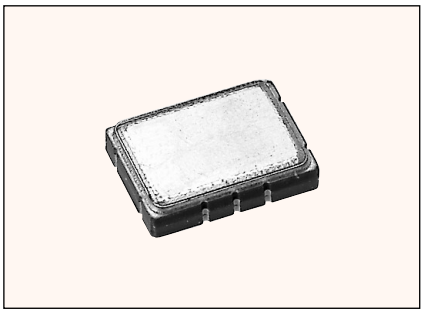
TOYOCOM

Surface Acoustic Wave Filter (SAW Filter)



TQS-461E-7R

Features

- Miniature size : 7.0(W) x 5.0(D) x 1.5 max.(H)mm
- High attenuation
- High selectivity

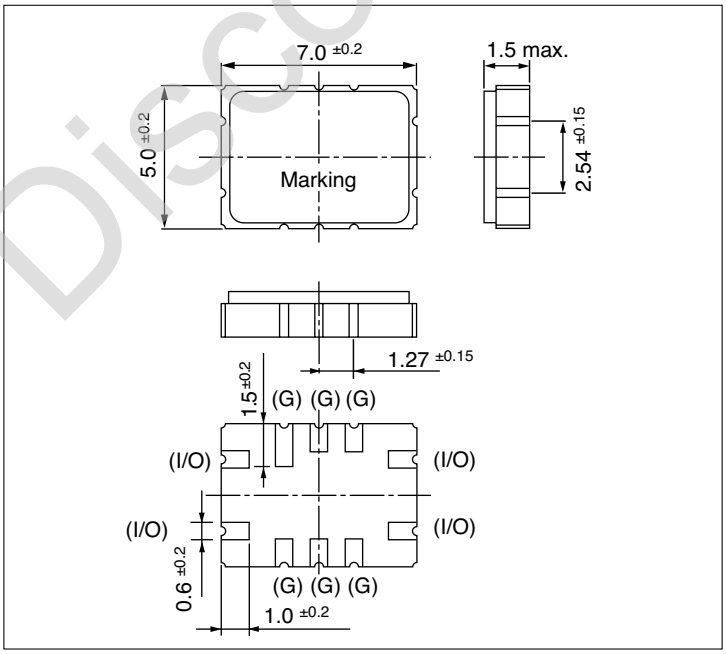
Application

- IF filter for Cellular Phone
  CDMA system

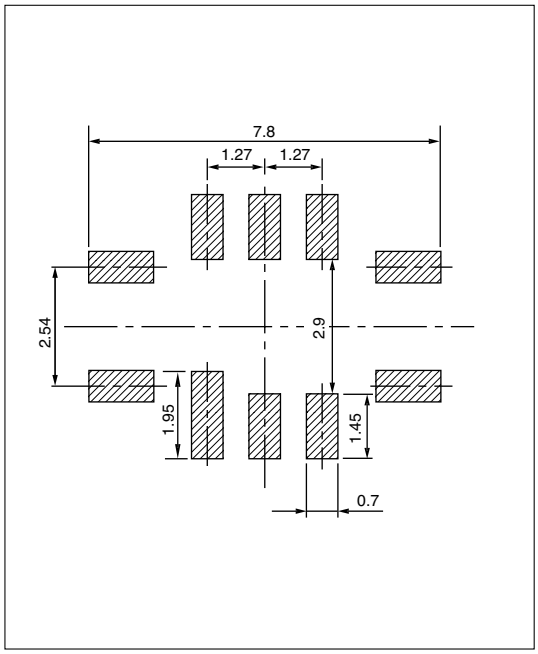
Specifications

Type		TQS-461E-7R
Nominal frequency [fo]		110 MHz
5dB Pass band (Relative to I.L. at fo)		fo ± 600 kHz min.
Insertion loss (at fo)		11.0 dB max.
Passband deviation (within fo±300 kHz)		1.5 dB max.
Group delay distortion (within fo±300 kHz)		500 ns max.
Phase linearity (within fo ± 615 kHz)		Typical 3.4°RMS
Stop band attenuation (Referred to I.L. at fo) at fo ± 0.9 MHz at fo ± 1.70 MHz at fo ± 9.00 MHz		 33 dB min. 33 dB min. 40 dB min.
Terminating impedance	Input	Balanced or Unbalanced : 2.9k Ω // -7.4 pF
	Output	Balanced or Unbalanced : 2.2k Ω // -6.0 pF
Operating temperature range		-25 °C to +75 °C

Package Outlines [Dimensions in mm]



Footprint [Dimensions in mm]



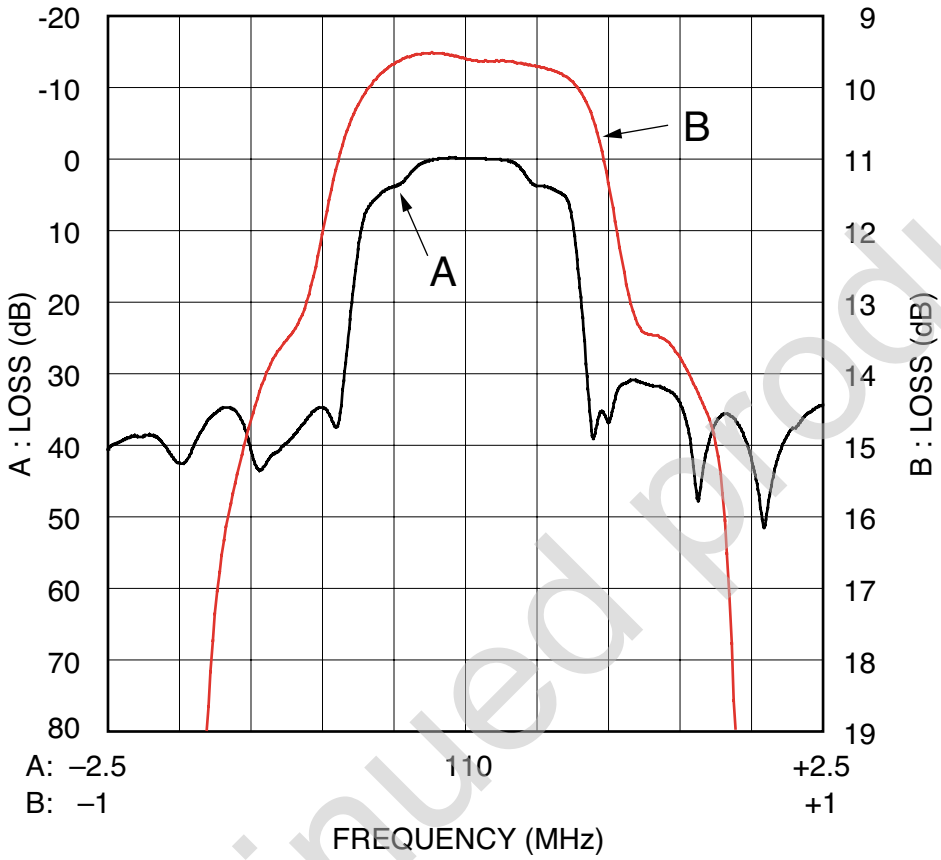
Discontinued product

(2002. 1.)

IF Filter for Cellular Phone
CDMA system

TQS-461E-7R
110 MHz

Electrical Data



Discontinued product