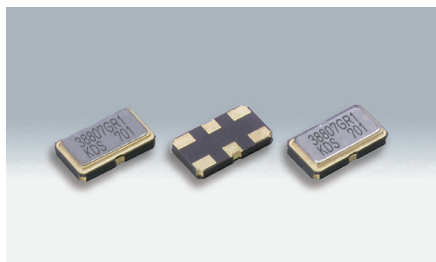


SMD Monolithic Crystal Filters

DSF633S 2POLE/DSF633S 4POLE



Actual size

■ Features

- 6035 size, lightweight (0.072g) and miniature SMD crystal filter. Just 1.1mm height.
- 4 pole function in a single package.
- Excellent guaranteed attenuation.
- Excellent shock and vibration resistance.

■ Applications

- Radio communications



■ Standard Specification

Type	DSF633SDF				
Model	D38807GR	D49903GR	D58010GR	D73312GR	DA3050GR
Pole	4	4	4	4	4
Overtone Order	Fundamental	Fundamental	Fundamental	Fundamental	Fundamental
Nominal Frequency	38.850 MHz	49.950 MHz	58.050 MHz	73.350MHz	130.000MHz
Pass Bandwidth	±3.75kHz min./3dB	±1.75kHz min./3dB	±5.0kHz min./3dB	±6.0kHz min./3dB	±25.0kHz min./3dB
Stop Bandwidth	±15.0kHz min./35dB	±6.25kHz max./20dB	±12.5kHz max./25dB	±25kHz max./40dB	±100kHz max./35dB
Ripple	1dB max.	1dB max.	1dB max.	1dB max.	1dB max.
Insertion Loss	6dB max.	6dB max.	5dB max.	5dB max.	5dB max.
Guaranteed Attenuation	76dB min.	76dB min.	80dB min.	80dB min.	70dB min.
Terminating Impedance	710Ω//4pF Cc=12.5pF	150Ω//11pF Cc=33pF	450Ω//4.5pF Cc=9.5pF	380Ω//5pF Cc=11pF	560Ω//0.2pF Cc=3.5pF
Operating Temperature Range	-20 to +70°C				
Packing Unit (1)	1000pcs./reel(φ180)				

(1) Moisture prevention packing is unnecessary.
Moisture Sensitivity Level: LEVEL 1 (IPC/JEDEC J-STD-033)

Consult our sales representative for other specifications.

■ DSF633SA

[mm]

■ DSF633SD

[mm]

■ Dimensions

Pin No.	Connection
#1	INPUT
#2	GND.
#3	GND.
#4	OUTPUT
#5	GND.
#6	GND.

■ Recommended Land Pattern <Top View>

■ Measurement Circuit

■ Dimensions

Pin No.	Connection
#1	INPUT
#2	GND.
#3	Connect with #6
#4	OUTPUT
#5	GND.
#6	Connect with #3

■ Recommended Land Pattern <Top View>

■ Measurement Circuit

■ Characteristics Chart (fo=49.95MHz, P=±1.75kHz)

■ Characteristics Chart (fo=73.350MHz, P=±6.0kHz)

■ Characteristics Chart (fo=130.000MHz, P=±25.0kHz)

