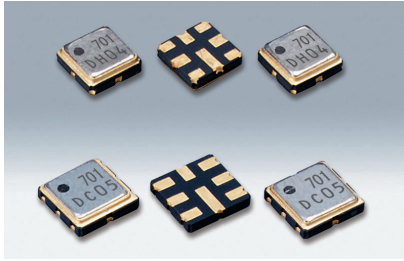


# SMD Monolithic Crystal Filters

## DSF334S 2POLE/DSF334S 3POLE/DSF444S 2POLE/DSF444S 3POLE



Actual size DSF334S  DSF444S

### ■ Features

- DSF334S 2POLE, 3POLE: 3030 size, 0.9mm height, miniature SMD crystal filter and lightweight(0.03g)
- DSF444S 2POLE, 3POLE: 3838 size, 0.9mm height, miniature SMD crystal filter and lightweight(0.05g)
- Excellent shock and vibration resistance.
- Low spurious

### ■ Applications

- Radio communications



### ■ Standard Specification

Type	DSF334SAF	DSF334SAF	DSF334SCF	DSF444SAF	DSF444SCF
Model	D50003AM	D50015AM	DA6115FM	D50003AL	D73313FL
Pole	2	2	3	2	3
Overtone Order	Fundamental	Fundamental	Fundamental	Fundamental	Fundamental
Nominal Frequency	50.000 MHz	50.000 MHz	161.950 MHz	50.000 MHz	73.350 MHz
Pass Bandwidth	±1.5kHz min./3dB	±7.5kHz min./3dB	±7.5kHz min./3dB	±1.75kHz min./3dB	±6.5kHz min./3dB
Stop Bandwidth	±18kHz max./15dB	±25kHz max./13dB	±20dB min./50kHz	±16kHz max./15dB	±20kHz max./18dB
Ripple	1dB max.	1dB max.	1dB max.	1dB max.	1dB max.
Insertion Loss	40dB max.	3.5dB max.	5dB max.	4dB max.	3.5dB max.
Guaranteed Attenuation	60dB min.	60dB min.	70dB min.	50dB min.	70dB min.
Terminating Impedance	400Ω//9pF	750Ω//3pF	120Ω// -0.8pF	380Ω//9.0pF	380Ω// -1pF
Operating Temperature Range	-20 to +70°C				
Packing Unit (1)	2000pcs./reel(φ180)			1000pcs./reel(φ180)	

1) Moisture prevention packing is unnecessary.  
Moisture Sensitivity Level: LEVEL 1 (IPC/JEDEC J-STD-03)

Consult our sales representative for other specifications.

### ■ DSF334S [mm]

#### ■ Dimensions

Pin No.	Connection
#1	Input
#2	GND.
#3	GND.
#4	GND.
#5	Output
#6	GND.
#7	GND.
#8	GND.

#### ■ Recommended Land Pattern (Top View)

#### ■ Measurement Circuit

### ■ DSF444S [mm]

#### ■ Dimensions

Pin No.	Connection
#1	Input
#2	GND.
#3	GND.
#4	GND.
#5	Output
#6	GND.
#7	GND.
#8	GND.

#### ■ Recommended Land Pattern (Top View)

#### ■ Measurement Circuit