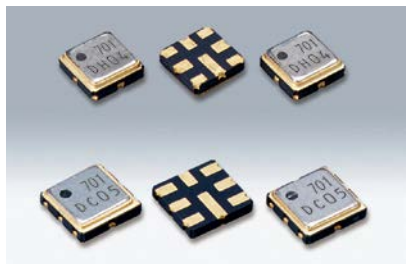


# SMD Monolithic Crystal Filters

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



Actual size DSF334S  DSF444S

### ■ Features

- 3030 size, lightweight (0.03g) and miniature SMD crystal filter. Just 0.9mm height.
- 3838 size, lightweight (0.05g) and miniature SMD crystal filter. Just 0.9mm height.
- Excellent shock and vibration resistance.
- Low spurious

### ■ Applications

- Radio communications



### ■ Standard Specification

Type	DSF334SAF		DSF334SCF	DSF444SAF	DSF444SCF
Model	D50015AM	DA1030AM	D85330FM	D45030AL	D73313FL
Pole	2	2	3	2	3
Overtone Order	Fundamental	Fundamental	Fundamental	Fundamental	Fundamental
Nominal Frequency	50.000 MHz	110.520 MHz	85.380 MHz	45.000	73.350
Pass Bandwidth	±7.5kHz min./3dB	±15kHz min./3dB	±15kHz min./3dB	±15kHz min./3dB	±6.5kHz min./3dB
Stop Bandwidth	±25kHz max./13dB	±60kHz max./18dB	±60kHz max./25dB	±60kHz max./15dB	±20kHz max./18dB
Ripple	1dB max.	1dB max.	1dB max.	1dB max.	1dB max.
Insertion Loss	3.5dB max.	4dB max.	5dB max.	3dB max.	3.5dB max.
Guaranteed Attenuation	60dB min.	60dB min.	70dB min.	70dB min.	70dB min.
Terminating Impedance	750Ω//3pF	200Ω//3pF	400Ω//−0.5pF	800Ω//1.5pF	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-033)

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