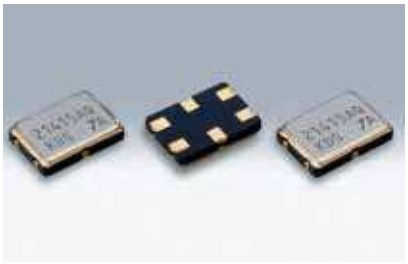
SMD Monolithic Crystal Filters

DSF444S 2POLE, 3POLE/DSF753S 2POLE, 3POLE

DSF444S Actual size



DSF753S Actual size

■ Features

- 3838 size, lightweight (0.05g) and miniature SMD crystal filter. Just 0.9mm high. 7050 size, lightweight (0.15g) and miniature SMD crystal filter. Just 1.3mm high.
- Excellent shock and vibration resistance

Pb-Free

RoHS Compliant

■ Applications

- Radio communications

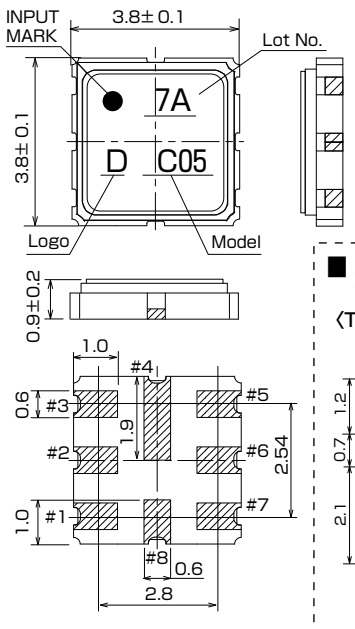
■ Standard Specification

Type	DSF444SAF	DSF444SCF	DSF753SAF		DSF753SCF
Model	D45030AL	D73313FL	D21415AQ	D45030AQ	D45030FQ
Pole	2	3	2	2	3
Overtone Order	Fundamental	Fundamental	Fundamental	Fundamental	Fundamental
Nominal Frequency	45.000	73.350	21.400 MHz	45.000 MHz	45.000 MHz
Pass Bandwidth	±15kHz min./ 3dB	±6.5kHz min./3dB	±7.5kHz min./3dB	±15kHz min./3dB	±15kHz min./3dB
Stop Bandwidth	±60kHz max./15dB	±20kHz max./18dB	±25kHz max./18dB	±60kHz max./15dB	±50kHz max./20dB
Ripple	1dB max.	1dB max.	1dB max.	1dB max.	1dB max.
Insertion Loss	3dB max.	3.5dB max.	2dB max.	3.5dB max.	3dB max.
Guaranteed Attenuation	70dB min.	70dB min.	70dB min.	70dB min.	70dB min.
Terminating Impedance	800Ω//1.5pF	380Ω//-1pF	1500Ω//2.5pF	800Ω//1.5pF	1200Ω//-1pF
Operating Temperature Range	-20～+70℃				
Packing Unit	1000pcs./reel(φ180)				

Consult our sales representative for other specifications.

■ DSF444S

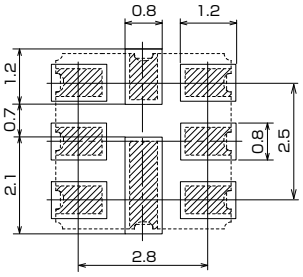
■ Dimensions[mm]



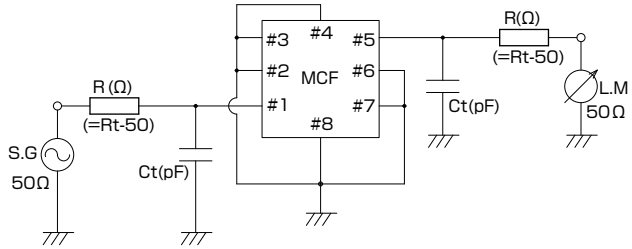
Pin No.	Connection
#1	INPUT
#2	GND.
#3	GND.
#4	GND.
#5	OUTPUT
#6	GND.
#7	GND.
#8	GND.

■ Recommended Land Pattern[mm]

〈Top View〉

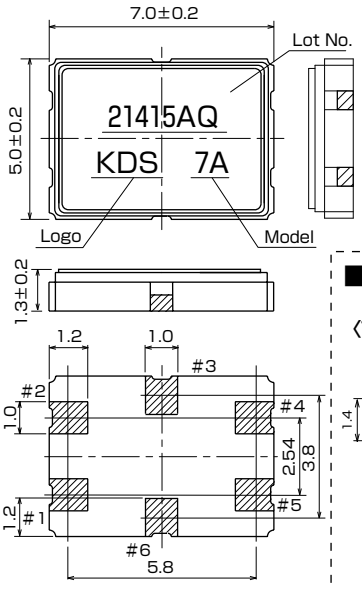


■ Measurement Circuit



■ DSF753S

■ Dimensions[mm]



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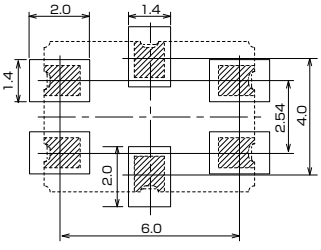
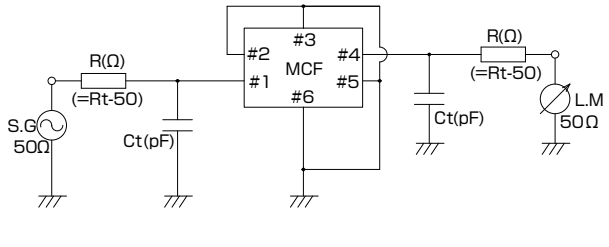
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