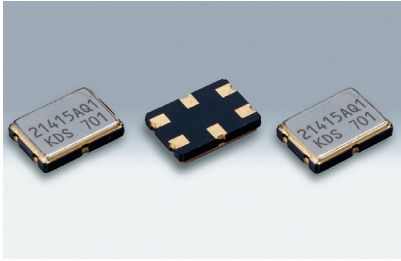


SMD Monolithic Crystal Filters

DSF753S 2POLE/DSF753S 3POLE/DSF753S 4POLE



Actual size

■ Features

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

■ Applications

- Radio communications



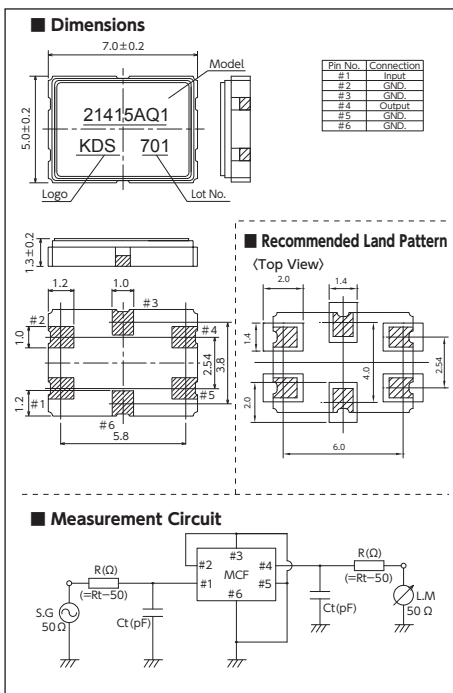
■ Standard Specification

Type	DSF753SAF	DSF753SCF	DSF753SBF/DSF753SDF		DSF753SDO	
Model	D21415AQ	D45015FQ	D46307GQ	D50810GQ	D73312GQ	DA4917GQ
Pole	2	3	4	4	4	4
Overtone Order	Fundamental	Fundamental	Fundamental	Fundamental	Fundamental	3rd overtone
Nominal Frequency	21.400 MHz	45.000 MHz	46.350MHz	50.850MHz	73.350MHz	149.9725 MHz
Pass Bandwidth	±7.5kHz min./3dB	±7.5kHz min./3dB	±3.5kHz min./3dB	±5.0kHz min./3dB	±6.0kHz min./3dB	±8.68kHz min./3dB
Stop Bandwidth	±25kHz max./18dB	±50kHz max./30dB	±18kHz max./40dB	±20kHz max./40dB	±25kHz max./40dB	±15dB min./30kHz
Ripple	1dB max.	1dB max.	1dB max.	1dB max.	1dB max.	1dB max.
Insertion Loss	2dB max.	3dB max.	5dB max.	5dB max.	5dB max.	6dB max.
Guaranteed Attenuation	70dB min.	70dB min.	80dB min.	80dB min.	80dB min.	60dB min.
Terminating Impedance	1500Ω//2.5pF	700Ω//−1pF	400Ω//4pF Cc=17.5pF	560Ω//4pF Cc=9.7pF	450Ω//4pF Cc=9.2pF	800Ω//−0.2pF Cc=0.6pF
Operating Temperature Range	−20 to +70°C					
Packing Unit (1)	1000pcs./reel(φ 180)					

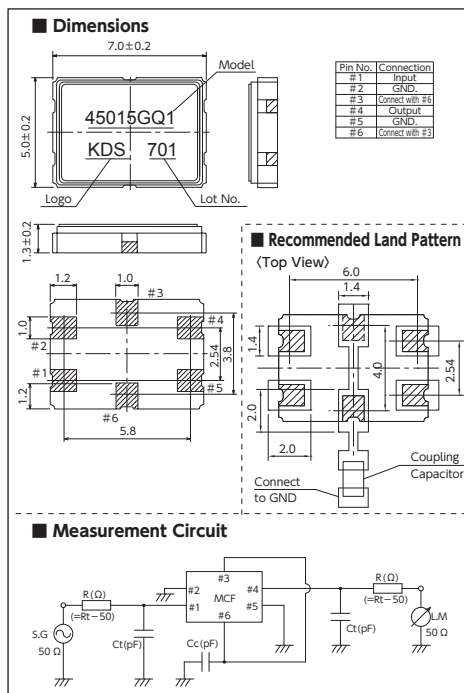
(1) Moisture prevention packing is unnecessary.
Moisture Sensitivity Level: LEVEL 1 (IPC/JEDEC J-STD-033)

Consult our sales representative for other specifications.

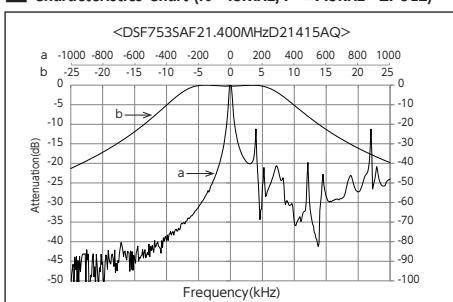
■ DSF753SA/DSF753SC [mm]



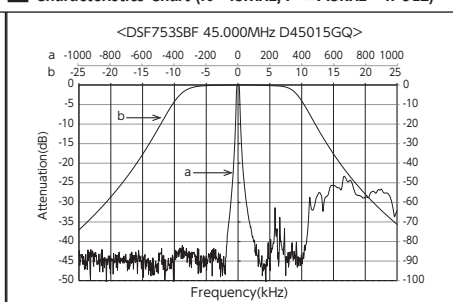
■ DSF753SB/DSF753SD [mm]



■ Characteristics Chart (fo=45MHz, P=±7.5kHz 2POLE)



■ Characteristics Chart (fo=45MHz, P=±7.5kHz 4POLE)



■ Characteristics Chart (fo=73.350MHz, P=±6.0kHz 4POLE)

