

# SMD Crystal Oscillators with Spread Spectrum Function

## DSS753SVC/DSS753SVD



Actual size

### ■ Features

- EMI reduction by Spread Spectrum Technology
- Modulation rate can be selected by #2/#5 terminal.
- 3-state function

### ■ Applications

- Printer, facsimile, scanner, DSC, LCD

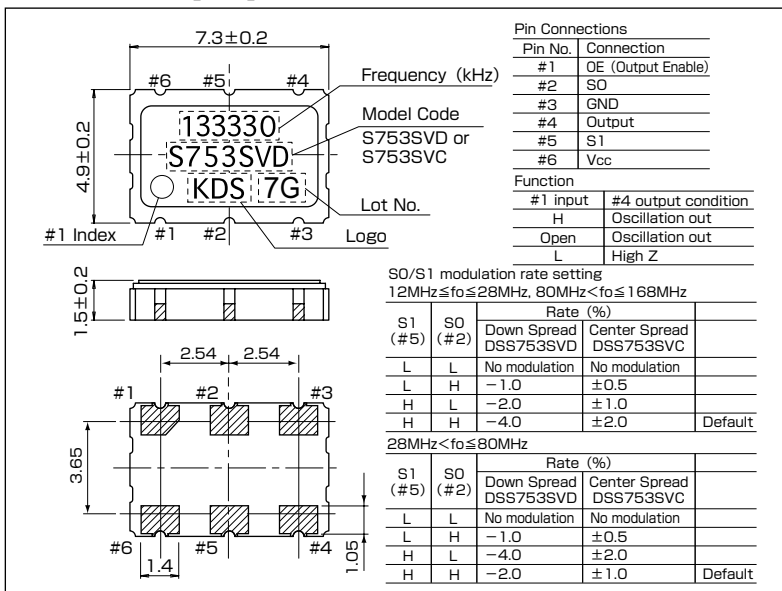


### ■ Standard Specification

Item	Type	Legend	DSS753SVC	DSS753SVD
Modulation Type	-	-	Center Spread	Down Spread
Modulation Width	-	-	$\pm 0.5\%$ , $\pm 1\%$ , $\pm 2\%$	$-1\%$ , $-2\%$ , $-4\%$
Modulation rate can be selected by S0(#2pin)/S1(#5pin) terminal				
Output Frequency Range	fo		12~168MHz	
Supply Voltage	Vcc		+3.3±0.3V	
Storage Temperature Range	T_stg		-40~+125°C	
Operating Temperature Range	T_use		-10~+70°C	
Frequency Tolerance	f_tol		$\pm 100 \times 10^{-6}$ max. (S1="L"&S0="L")	
Current Consumption	Icc		30mA max.	
Stand-by Current (#1 pin "L" level)	I_std		0.02mA max.	
Load Condition	L_cmos		15pF max.	
Symmetry	SYM		40~60% (50% Vcc Level)	
0 Level Output Voltage	VoL		Vcc × 0.2 max.	
1 Level Output Voltage	VoH		Vcc × 0.8 min.	
Rise and Fall Time	tr, tf		4ns max. (20~80% Vcc Level)	
Output Disable Time	tPLZ		10ns max.	
Output Enable Time	tPZL		10ms max.	
Input Voltage Level	VIL/VIH		Vcc × 0.2 max. / Vcc × 0.8 min.	
Packing Unit			1000pcs./reel (φ 254)	

Consult our sales representative for other specifications.

### ■ Dimensions [mm]



### ■ Recommended Land Pattern [mm]

