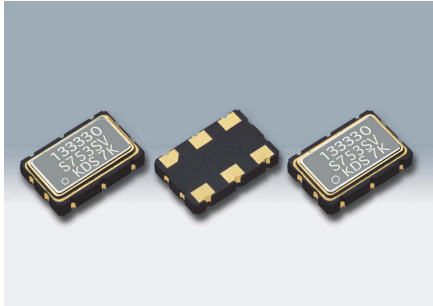


# SMD Crystal Oscillators

## DSS753SV



Actual size

### Features

- EMI reduction by SSCG Technology
- Spread Spectrum function can be switched ON/OFF by SSON terminal
- 3-state function

### Applications

- Printer, facsimile, scanner
- Wireless-LAN, DSC, LCD

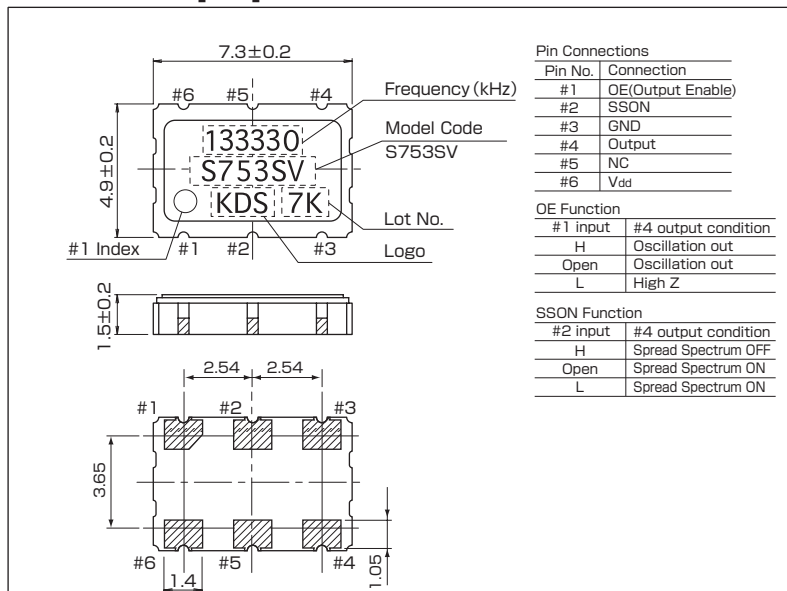


### Standard Specification

Item	Type	Legend	DSS753SV	
			Center Spread	Down Spread
Spread Spectrum	-			
Spread Percentage	-		$\pm 0.25\%$ $\pm 0.5\%$ $\pm 1\%$ $\pm 2\%$	$-0.5\%$ $-1\%$ $-2\%$ $-4\%$
Output Frequency Range	$f_o$		10~160MHz	
Supply Voltage	V <sub>dd</sub>		$+3.3 \pm 0.3V$	
Storage Temperature Range	T <sub>stg</sub>		$-40 \sim 125^\circ C$	
Operating Temperature Range	T <sub>use</sub>		$-10 \sim 70^\circ C$	
Frequency Tolerance	f <sub>tol</sub>		$\pm 100 \times 10^{-6}$ max. (SS OFF (#2Pin"H"))	
Current Consumption	I <sub>dd</sub>		30mA max.	
Disable Current	I <sub>dis</sub>		20mA max.	
Symmetry	SYM		45~55% (50% V <sub>dd</sub> Level)	
Rise and Fall Time	tr, tf		3ns max. (20~80% V <sub>dd</sub> Level)	
0 Level Output Voltage	V <sub>ol</sub>		0.4 V <sub>max</sub> .	
1 Level Output Voltage	V <sub>oh</sub>		V <sub>dd</sub> - 0.4V <sub>min</sub> .	
Load Condition	L-CMOS		15pF max.	
Output Disable Time	T <sub>pLz</sub>		400ns max.	
Output Enable Time	T <sub>pZl</sub>		400ns max.	
Cycle to Cycle Jitter			$\sigma$ : 45ps typ. peak-peak : 450ps typ. (f <sub>o</sub> =26,000MHz, $\pm 1\%$ or $-2\%$ )	
Input Voltage Level	V <sub>il</sub> /V <sub>ih</sub>		V <sub>dd</sub> × 0.3 max. / V <sub>dd</sub> × 0.7 max.	
Packing Unit			1000pcs. / reel (φ254)	

Consult our sales representative for other specifications.

### Dimensions [mm]



### Recommended Land Pattern [mm]

