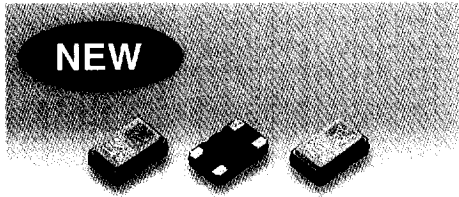


ULTRA MINIATURE SIZE SMD (VC-) TCXO

DSA533HA/DSB533HA



FEATURES

- Ultra miniature size (0.026cc).
- Light weight (0.08g).
- High reliability with IC circuits.
- Reflow soldering (2 reflows available).

APPLICATIONS

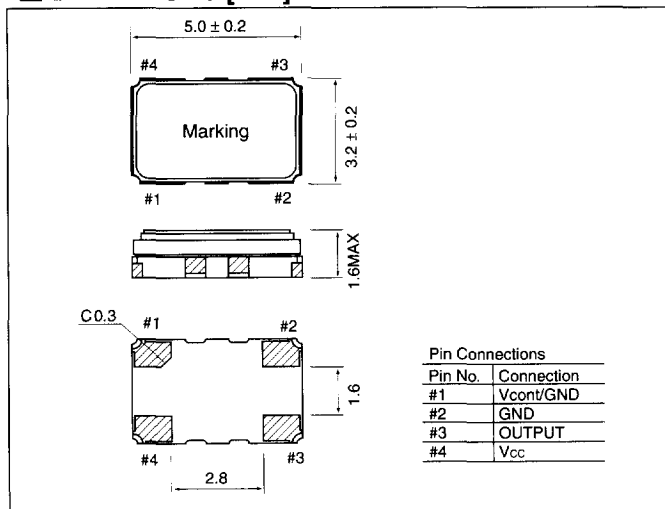
- Cellular phones (PDC, GSM, PCN, PCS, PHS and other systems)

GENERIC SPECIFICATION

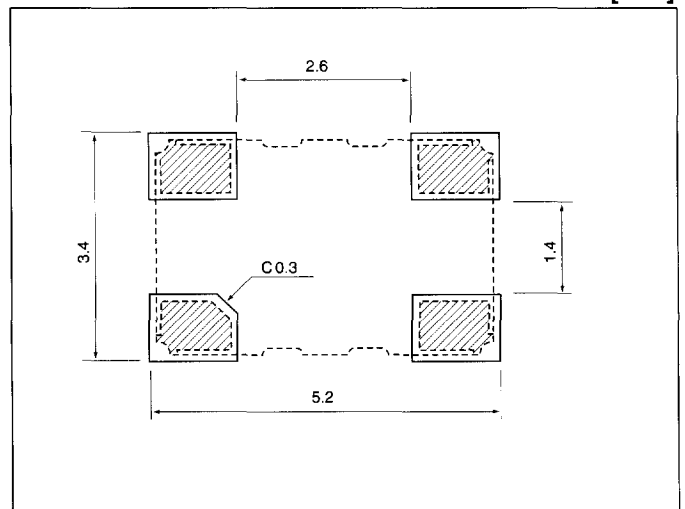
ITEM	Model	DSB533HA(TCXO)	DSA533HA(VC-TCXO)
Standard Frequency		12.6 / 12.8 / 13 / 14.4 / 14.85 / 16.8 / 19.2 / 19.68 / 19.8MHz	
Frequency Range		12.6MHz~20MHz	
Supply Voltage		+3.0V(+2.6V to +3.3V available)	
Current Consumption		+1.5mA max.(F<15MHz) / +1.7mA max.(F≥15MHz)	
Output Level		0.8Vp-p min.	
Output Load		10kΩ //10pF	
Frequency Stability			
Tolerance		± 1.5ppm (after 2 reflows)	
vs. Temperature		± 2.5ppm / -30 ~ +85°C	
vs. Supply Voltage		±0.2ppm (+3V±0.3V)	
vs. Aging		±1.0ppm / year	
Start up time		3.0ms	
Frequency Control			±10.0ppm / V typ.
Control Sensitivity		-	(5~15ppm / V optional.)
Response Slope		-	Positive
SSB Phase Noise		-125dBc/Hz max. (Offset 1kHz·F<15MHz) -120dBc/Hz max. (Offset 1kHz·F≥15MHz)	

Please contact your KDS sales representative to discuss particular spec requirements.

DIMENSIONS [mm]



RECOMMENDED LAND PATTERN [mm]



MEASUREMENT CIRCUIT

