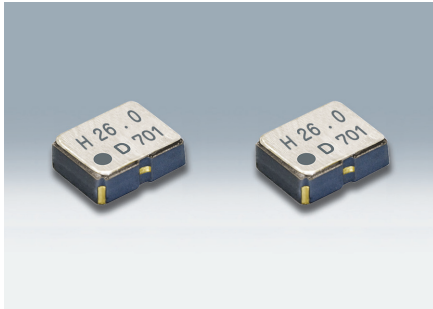


High-precision SMD TCXO

DSB1612WA



Actual size □

■ Features

- H structure
- Low voltage operation
- Low phase noise

■ Applications

- Mobile phones
- GPS/GNSS and Industrial radio communications



■ Standard Specification

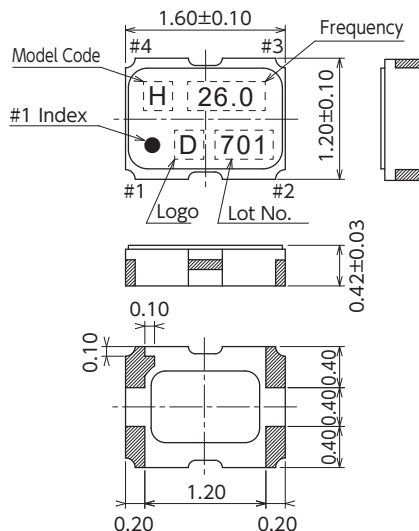
Item	Type	DSB1612WA		
Frequency Range		26MHz/38.4MHz/52MHz		
Standard Frequency		26MHz / 38.4MHz		
Supply Voltage Range		+1.68 to +3.5V		
Supply Voltage (Vcc)		+1.8V/+2.6V/+2.8V/+3.0V/+3.3V		
Current Consumption		+1.5mA max. (f≤26MHz) / +2.0mA max. (26<f≤52MHz) / +2.5mA max. (f≤60MHz)		
Output Level		0.8Vp-p min. (f≤52MHz) (Clipped Sinewave/DC-coupled)		
Output Load		10kΩ//10pF		
Frequency Stability				
Tolerance		±1.5×10 ⁻⁶ max. (After 2 reflows)		
vs. Temperature		±0.5×10 ⁻⁶ , ±2.5×10 ⁻⁶ max./-30 to +85°C ±0.5×10 ⁻⁶ , ±2.5×10 ⁻⁶ max./-40 to +85°C (Option)		
vs. Supply Voltage		±0.2×10 ⁻⁶ max. (Vcc ±5%)		
vs. Load Variation		±0.2×10 ⁻⁶ max. (10kΩ//10pF±10%)		
vs. Aging		±1.0×10 ⁻⁶ max./year		
Start up Time		2.0ms max.		
Phase Noise		[f≤26MHz]	[26MHz<f≤40MHz]	[40MHz<f≤52MHz]
Offset 100Hz		-115dBc/Hz	-110dBc/Hz	-105dBc/Hz
Offset 1kHz		-130dBc/Hz	-130dBc/Hz	-125dBc/Hz
Offset 10kHz		-150dBc/Hz	-150dBc/Hz	-145dBc/Hz
Offset 100kHz		-155dBc/Hz	-155dBc/Hz	-150dBc/Hz
Packing Unit (1)		3000pcs./reel (φ180)		

(1) Moisture prevention packing

Consult our sales representative for other specifications.

[mm]

■ Dimensions



■ Recommended Land Pattern

<Top View>

Pin No.	Connection
#1	GND
#2	GND
#3	Output
#4	Vcc

