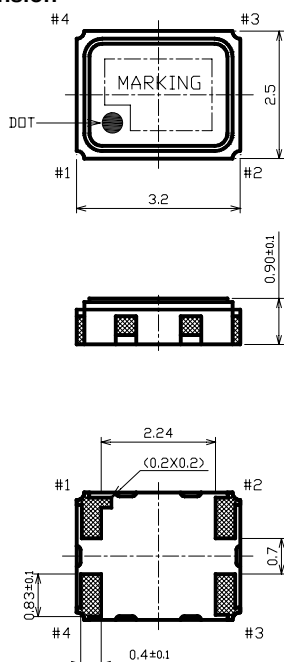
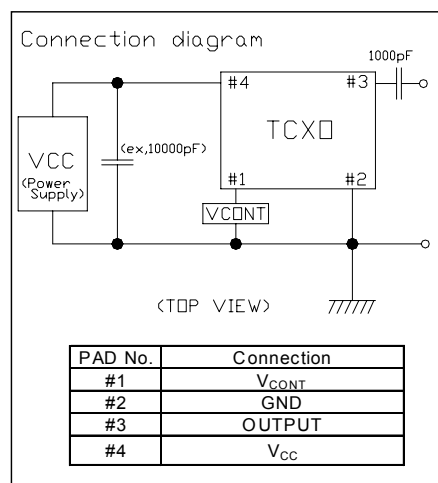


1	NDK Part Number	NT3225SA-26M-DJA3005A
2	NDK Specification Number	DJA3005A
3	Type	NT3225SA
4	Rating	
4.1	Nominal Frequency (f_{nom})	26 MHz (2 digits marking)
4.2	Supply Voltage	+2.7 V $\pm$ 0.1 V DC (-Earth)
4.3	Current Consumption	Max. 2.0 mA
4.4	Output Voltage	150 to 450 mVrms Clipped sine wave (DC-Coupling)
4.5	Operable Temperature Range	-20 to +75 °C
4.6	Storage Temperature Range	-40 to +85 °C
4.7	Load impedance	(10 k Ω // 3.5 pF) $\pm$ 10%
4.8	DC-cut Capacitor	DC-cut capacitor of output is not put in TCXO. Please add DC-cut capacitor (1000 pF) in output line.
5	Electrical specification	
5.1	Frequency Stability	
5.1.1	Frequency / Temperature Characteristics	Max. $\pm$ 2.5 ppm / -20 to +75 °C (Based on frequency at +25 $\pm$ 2 °C)
5.1.2	Frequency / Voltage Coefficient	Max. $\pm$ 0.2 ppm / +2.7 V $\pm$ 0.1 V
5.1.3	Frequency / Load Coefficient	Max. $\pm$ 0.2 ppm / (10 k Ω // 3.5 pF) $\pm$ 10%
5.1.4	Frequency Tolerance at Control Voltage (V_{cont} = +1.5 V DC)	Max. $\pm$ 1.0 ppm (at +25 $\pm$ 2 °C, before reflow soldering, based on nominal frequency) Max. $\pm$ 2.0 ppm (at +25 $\pm$ 2 °C, 24 hours after reflow soldering, based on nominal frequency)
5.1.5	Long-term Frequency Stability	Max. $\pm$ 1.0 ppm / year Max. $\pm$ 5.0 ppm / 10 years
5.2	External Adjustment	
5.2.1	Control Voltage (V_{cont})	+1.5 V $\pm$ 1.0 V DC
5.2.2	Frequency control range based on frequency at V_{cont} = +1.5 V DC	$\pm$ 9.0 to $\pm$ 16.0 ppm
5.2.3	Frequency Control Sensitivity	Max. 16.0 ppm/V
5.2.4	Frequency Change Polarity	Positive
5.2.5	Input Impedance	Min. 500 k Ω
5.2.6	Linearity of frequency modulation deviation	Max. $\pm$ 20 %
5.3	Start-up Time	Max. 5.0 ms (More than 90 % of final output voltage)
5.4	Harmonic Distortion	Max. -15 dBc (2 nd) Max. -10 dBc (3 rd) Max. -20 dBc (higher)
5.5	Phase Noise	Max. -110 dBc/Hz (@ 100 Hz offset) Max. -130 dBc/Hz (@ 1 kHz offset)

6 Dimension

(Unit: mm)



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Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com