

SPECIFICATION SHEET NO.	T0910 – TD26M00000S001	
ORIGINAL MFG/PART NO.	TGS Crystals/TD26M00000S001/2T26000042	
NEXTGEN PART CODE	TD26M00000S001	Indicate This Code For RFQ /Order
DATE	Sep. 10, 2026	
REVISION	A1	Updated With Most Recent Data
DESCRIPTION AND MAIN PARAMETRICS	SMD TCXO, Case 2520 Type, 4 Pads, TD series, Case Dimension L2.50*W2.00*H0.90mm 26.0MHz, Supply Voltage 3.3V, Frequency Tolerance $\pm 2.0\text{ppm}$ @25°C$\pm 2^\circ\text{C}$ Frequency Stability vs. Temp. range: $\pm 0.5\text{ppm}$@25°C, Symmetry 40/60; Current consumption: 1.5mA Max Output Waveform: Clipped Sine, Output Load: 10kΩ //10pF Operating Temp. Range -30°C ~+85°C Package in Tape/Reel, 3000pcs/Reel REACH/RoHS/RoHS III Compliant	
CUSTOMER		
CUSTOMER PART NUMBER		
CROSS REF. PART NUMBER		
MEMO		

VENDOR APPROVE

Issued/Checked/Approved



Effective Date: Sep. 10, 2026

CUSTOMER APPROVE

Date:

MAIN FEATURE

- Ceramic SMD Package, 2520 Type, 4 Pads
- Case Dimension L2.50*W2.00*H0.90mm
- Compactness and lightweight
- VCTCXO available
- Miniature size and low profile.
- Cross More Competitor's Part
- REACH/RoHS/RoHS III Compliant



Image shown is a representation only. Exact specifications should be obtained from the product dimension.

APPLICATION

- GPS/GNSS
- WiMax, WLAN
- Mobile Phone
- IoT, wearable Electronics



ELECTRICAL CHARACTERISTICS

- See Page 6.
- All Products Parameters are Subject To NextGen Components' Final Confirmation.

HOW TO ORDER

- Please Follow Up Part Code Guide And Indicate NextGen Part Code TD26M00000S001 For RFQ and Order.

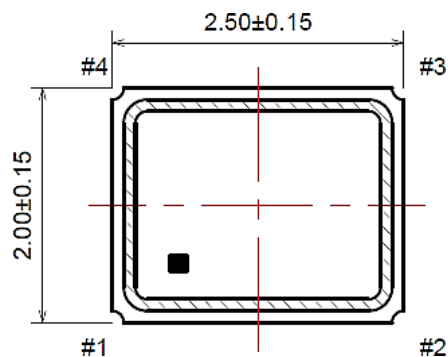
PART CODE GUIDE

RFQ
[Request For Quotation](#)

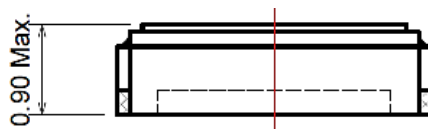
CODE	NAME	KEY SPECIFICATION OPTION
TD	Series Code	SMD TCXO 2520 Type, 4Pads, Case Dimension L2.50*W2.00*H0.90mm
26M0	Frequency Range Code	26M0: 26.0MHz or Custom Frequency Range
0000S	Internal Control Code	Letter A~Z, a~z or Digits (0~9)
001	Parameters Code	Special Parameters Code Letter A~Z, a~z or Digits (0-9)
XX	Special/Custom Parameters Code	Blank: N/A XX: Letter A~Z, a~z or Digits (0~9) for Special/Custom Parameters

DIMENSION - Unit: mm, Case Dimension L2.50*W2.00*H0.90mm

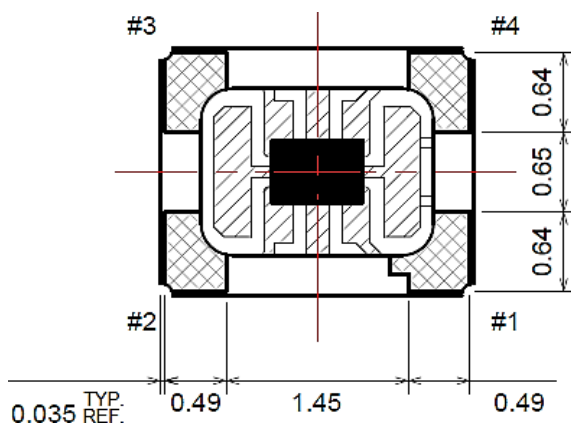
Top View



Side View



Bottom View



Pin Function

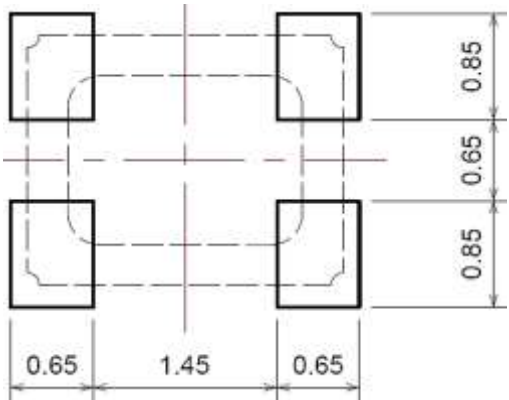
Pin 1 NC or GND (Ground recommended)

Pin 2 GND

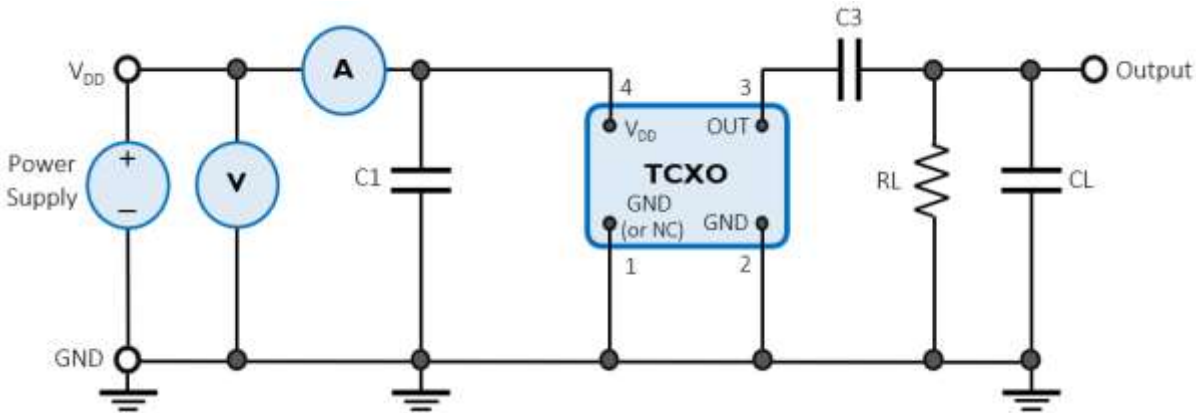
Pin 3 Output

Pin 4 VDD

RECOMMENDED LAND PATTERN– Unit: mm, For Reference



TEST CIRCUIT – FOR REFERENCE

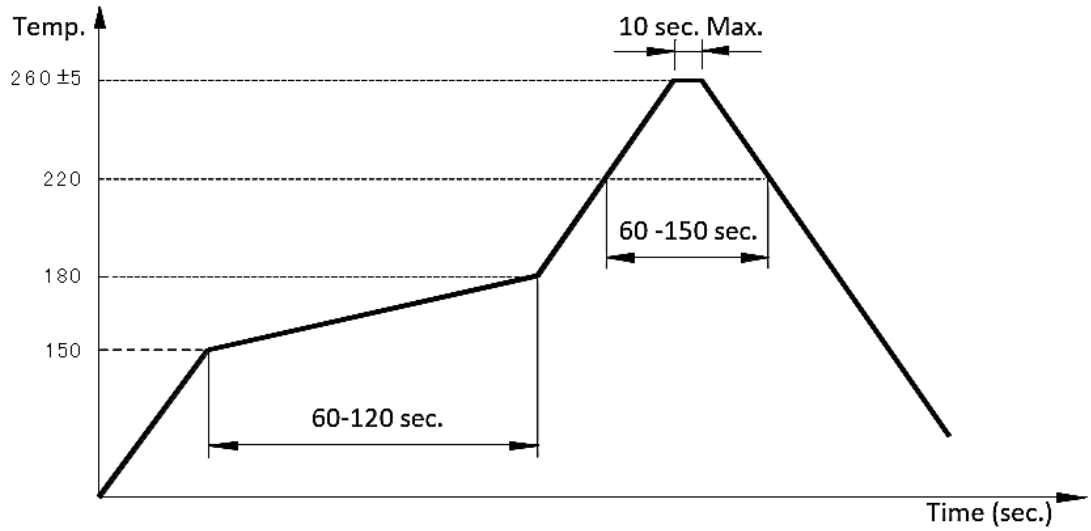


Parts	Function	Recommended
C1	AC noise bypass for VDD	10nF
C3	DC block for output	10nF
RL	Load resistance	10KΩ
CL	Load capacitance	10pF

GENERAL SPECIFICATION

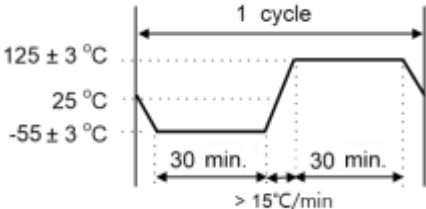
PARAMETER	VALUE			UNIT	Remark
	MIN.	TYPE	MAX.		
Nominal Frequency	26.000000			MHz	-
Supply voltage(VDD)	1.68	3.3	3.63	V	-
ESD	HBM $\geq$ 2000V			-	JESD22-A114-B
MSL	Level 1			-	IPC/JEDEC J-STD-033C
Current Consumption	-	-	1.5	mA	-
Operating Temp. Range	-30	-	+85	°C	-
Storage Temp. Range	-40	-	+90	°C	-
Output Type	Clipped sine wave			-	Decoupling capacitor is required in external circuit
Standard Output Load	10 K Ω //10 pF			-	-
Output Level	0.8	-	-	Vpp	-
Duty Cycle	40	50	60	%	-
Start-up Time vs. Frequency	-	-	2.0	ms	Within ± 1.0 ppm of final frequency
Start-up Time vs. Output Level	-	-	2.0	ms	Reach 90% of final Vpp output level
Frequency tolerance after reflow	-2.0	-	+2.0	ppm	At $25 \pm 2^\circ$ C, after 2 times of reflow, refer to nominal frequency
Frequency stability vs. temperature	-0.5	-	+0.5	ppm	Refer to frequency at 25° C within operating temperature range
Frequency stability vs. supply voltage	-0.1	-	+0.1	ppm	$\pm 5\%$ VDD variation
Frequency stability vs. load variation	-0.1	-	+0.1	ppm	$\pm 5\%$ load variation
Frequency Aging	-1.0	-	+1.0	ppm	First year
	-1.5	-	+1.5		2 years
	-2.5	-	+2.5		5 years
	-5.0	-	+5.0		10 years
Phase noise at 1kHz offset	-	-130	-	dBc/Hz	-

SUGGESTED REFLOW PROFILE - For Reference Only



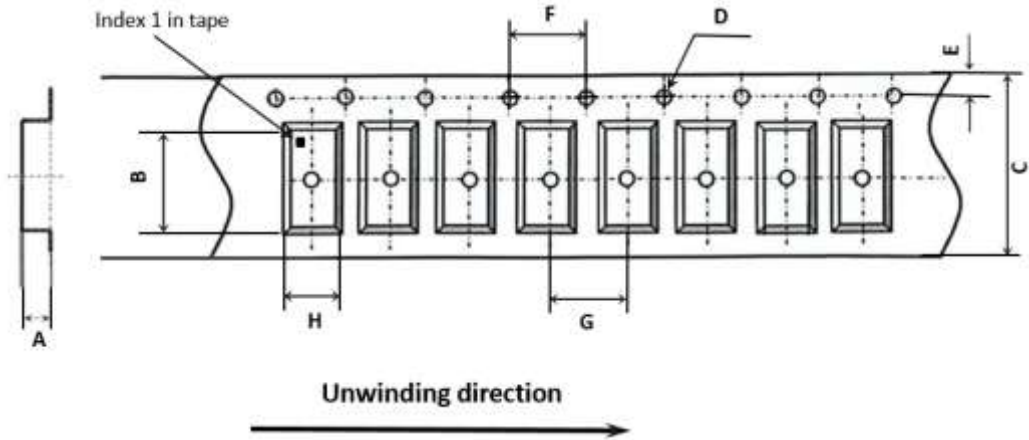
- (1) Total time : 360 sec. Max.
- (2) Solder melting point : 225°C

RELIABILITY (MECHANICAL AND ENVIRONMENTAL ENDURANCE)

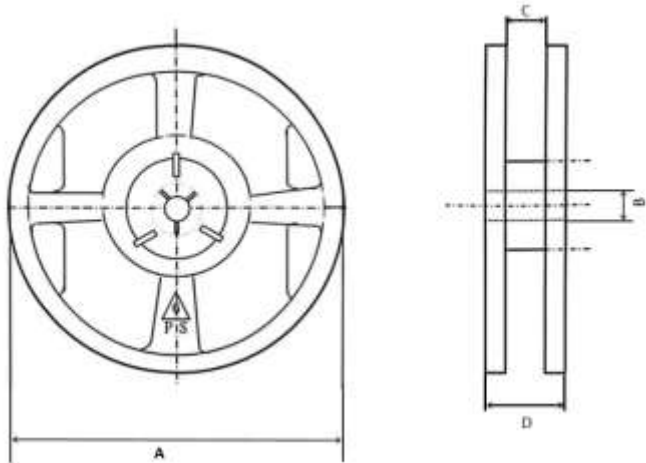
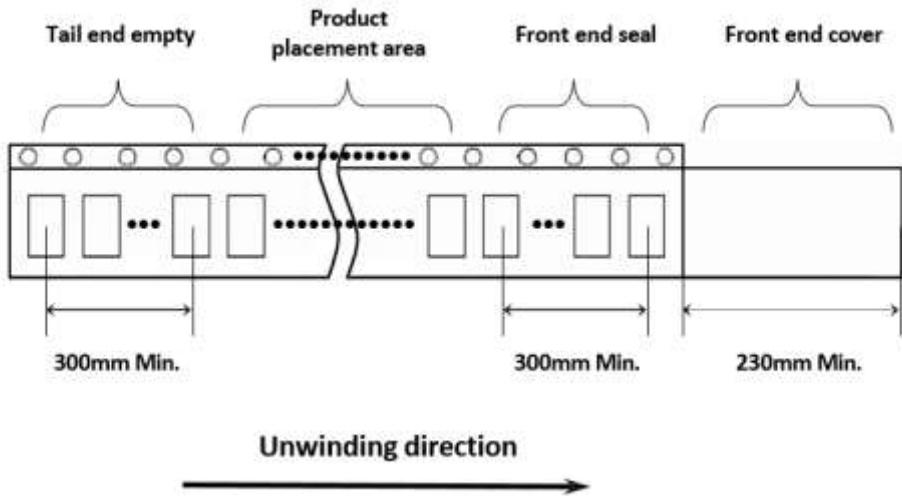
TEST ITEMS	TEST METHOD AND CONDITIONS	REFERENCE
Mechanical shock	Acceleration : 100 g Duration : 6.0 ms half sine shock pulse Test cycles : 3 times for all 3 directions	JESD47F_JEDEC B
Vibration	Acceleration : 20 g Duration : 4 hours/each direction Frequency range : 10 ~ 55 Hz and 55 ~ 2,000 Hz Amplitude : 0.75 mm (for 10 ~ 55 Hz) Direction : X, Y, Z, 3 directions	JESD47F_JEDEC B
Gross leak	Standard Sample For Automatic Gross Leak Detector. Test Pressure: 2kg /cm ²	MIL-STD-883E
Fine leak	Helium bombing 4.5 kgf / cm ² for 2 hours	MIL-STD-883E
High temperature storage	Temperature : +125°C ± 3°C Duration : 1,000 hours	JESD47F_JEDEC B
Low temperature storage	Temperature : -40°C ± 3°C Duration : 1,000 hours	JESD47F_JEDEC B
High temperature & humidity	Temperature : 85°C ± 3°C Humidity : RH 85% Duration : 1,000 hours	JESD47F_JEDEC B
Thermal shock (air to air)	Total 500 cycles of the following temperature cycle 	JESD47F_JEDEC B
Highly accelerated stress test (un-bias)	Temperature : 130°C ± 3°C Humidity : RH 85% Pressure : 2 atms Duration : 96 hours	JESD47F_JEDEC B
Aging	Temperature : 105°C ± 3°C Duration : 1,000 hours Voltage input by specification	JESD47F_JEDEC B

TAPE/REEL -Unit: mm

All Devices are packed in accordance with EIA standard RS-481-2 and specifications, 3000pcs/Reel



A	B	C	D	E	F	G	H
1.45±0.1	2.70±0.1	8.0±0.3	1.55±0.05	1.75±0.1	4.00±0.2	4.00±0.1	2.25±0.1



ITEM	DIMENSION
A	178±2.0
B	13.2±0.5
C	9.0±0.5
D	11.5±1.4

IMPORTANT NOTES AND DISCLAIMER

1. **ROHS COMPLIANCE:** The levels of RoHS restricted materials in this product are below the maximum concentration values (also referred to as the threshold limits) permitted for such substances, or are used in an exempted application, in accordance with EU RoHS Directive (EU) 2015/863 EC (RoHS3). RoHS Test Report for this product can be obtained at Download Center.
2. **REACH COMPLIANCE:** REACH substances of high concern (SVHCs) information is available for this product. Since the European Chemical Agency (ECHA) has published notice of their intent to frequently revise the SVHC listing for the foreseeable future, REACH Test Report for this product can be obtained at Download Center.
3. All Product parametric performance is indicated in the Electrical Characteristics for the listed herein test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.
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