

● FEATURES

- TEMPERATURE STABILITY $\pm 0.5\text{ppm} \sim \pm 2.5\text{ppm}$
- OPERATING TEMPERATURE RANGE $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- VOLTAGE CONTROL AVAILABLE (RTV-2520 SERIES)



● SPECIFICATIONS

PARAMETER		VALUE
FREQUENCY RANGE		13 ~ 52 MHz
SUPPLY VOLTAGE		1.8 ~ 3.3 V
INPUT CURRENT		2.5 mA max
FREQUENCY STABILITY	vs. TEMPERATURE	$\pm 0.5 \sim \pm 2.5$ ppm
	vs. LOAD ($\pm 10\%$)	± 0.2 ppm max
	vs. SUPPLY VOLTAGE	± 0.2 ppm max
	AGING 1 st YEAR	± 1.0 ppm max
FREQUENCY TOLERANCE at 25°C AFTER 2 REFLAWS		± 2.0 ppm max
OPERATING TEMPERATURE RANGE ¹		$-40 \sim +85^{\circ}\text{C}$
STORAGE TEMPERATURE RANGE		$-40 \sim +85^{\circ}\text{C}$
CLIPPED SINEWAVE OUTPUT VOLTAGE		0.8 V _{P-P} typ
OUTPUT LOAD		10 kΩ // 10 pF
START-UP TIME		5 ms max
FREQUENCY TUNING RANGE ²		$\pm 7 \sim \pm 16$ ppm
PHASE NOISE at 1 kHz OFFSET		-130 dBc/Hz max



NOTE: 1. NOT ALL STABILITIES ARE AVAILABLE FOR ALL OPERATING TEMPERATURE RANGES.
CONTACT FACTORY FOR AVAILABILITY.

2. RTV ONLY

■ PART NUMBERING SYSTEM

TYPE	-	SERIES	STABILITY (ppm)	TEMP RANGE (°C)	VOLTAGE (V)	FREQ TUNING RANGE (ppm)	-	OUTPUT	-	FREQ (MHz)	-	TAPE & REEL
RTX (TCXO) RTV (VCTCXO)	-	2520	A: ± 0.5 B: ± 1.0 C: ± 1.5 D: ± 2.0 E: ± 2.5	LZ: 0 ~ +70 HZ: -20 ~ +70 F3: -30 ~ +85 D3: -40 ~ +85	1: 1.8 33: 3.3	RTX: Blank RTV: 26: $\pm 7 \sim \pm 16$	-	S: Clipped Sine wave	-		-	TR

EXAMPLE: RTX-2520AF31-S-48.000-TR

Surface Mount TCXO, 2.5 mm x 2.0 mm package, ± 0.5 ppm Stability over the Operating Temperature Range from -30°C to $+85^{\circ}\text{C}$, 3.3V, Clipped Sinewave, 48.000 MHz, Tape and Reel Packaging

MECHANICAL SPECIFICATIONS

