



中川電子有限公司  
Nakagawa Electronics Limited

● FEATURES

- LOW PROFILE PACKAGE
- TOLERANCE AND STABILITY TO  $\pm 2.5$  PPM
- LOW COST

SERIES RTX-231 AND RTV-231

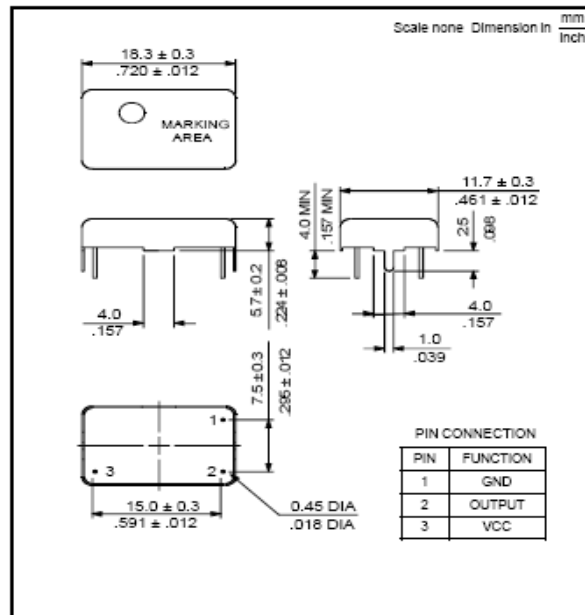
● SPECIFICATIONS

SERIES		RTX-231 AND RTV-231
FREQUENCY RANGE		9.60 MHz TO 45.00 MHz
FREQUENCY STABILITY OVER TEMPERATURE RANGE†		$\pm 2.5$ PPM
OPERATING TEMPERATURE RANGE		-30°C TO +75°C
EXTENDED TEMPERATURE RANGE		-40°C TO +85°C
FREQUENCY STABILITY VS. SUPPLY VOLTAGE		0.3 PPM AT +5V $\pm 5\%$
INPUT	VOLTAGE†	+5V $\pm 5\%$
	CURRENT	2.0 mA MAX
OUTPUT	WAVEFORM†	CLIPPED SINEWAVE OR CMOS/TTL
	LOAD	10 K OHM / 10pF OR 2 TTL/15 pF
	VOLTAGE	1Vp-p MIN
AGING		$\pm 1$ PPM PER YEAR MAX
FREQUENCY ADJUSTMENT		$\pm 3$ PPM MIN
FREQUENCY DEVIATION		$\pm 8$ PPM TO $\pm 15$ PPM (+2.5 VDC $\pm 2.0$ V)
OPERABLE TEMPERATURE RANGE		-40°C TO +85°C



† OTHER STABILITIES OVER TEMPERATURE, +3.0 V SUPPLY AND OUTPUT WAVEFORMS ARE AVAILABLE

● OUTLINE DRAWING



● PART NUMBERING SYSTEM

TYPE	REVISION	SERIES	FREQUENCY STABILITY	TEMPERATURE RANGE	VOLTAGE	FREQUENCY CONTROL (RTV ONLY)	TRIMMER	WAVEFORM	FREQUENCY
RTX RTV	TBD*	231	E: $\pm 2.5$ PPM	F1: -30°C TO 75°C D3: -30°C TO 75°C (EXTENDED)	S: +5.0 VDC $\pm 5\%$	X: $\pm 8$ PPM TO $\pm 15$ PPM (+2.5 V $\pm 2$ V)	T	S: CLIPPED SINE C: CMOS/TTL	IN MHZ

EXAMPLE: RTX\*-231EF15-TS-10.000

中國 ● 香港 ● 九龍官塘開源道 55 號 開聯工業中心 7 字樓 A 座 1-2 號  
Block A, Flat 1-2, 7/F, Hoi Yuen Road, Kwun Tong, Kln, Hong Kong, China  
Tel: 852-23899201 Fax: 852-23410001 E-mail: info@nkg.com.hk