

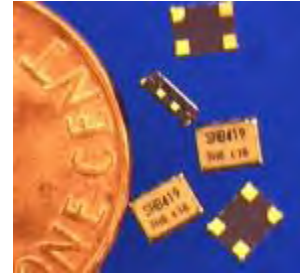
### FEATURES

- RoHS COMPLIANT / Lead Free
- Excellent frequency stability over temperature
- Low Voltage

### APPLICATIONS

- Mobile Phones
- WLAN
- GPS

### RTXY-104 Series

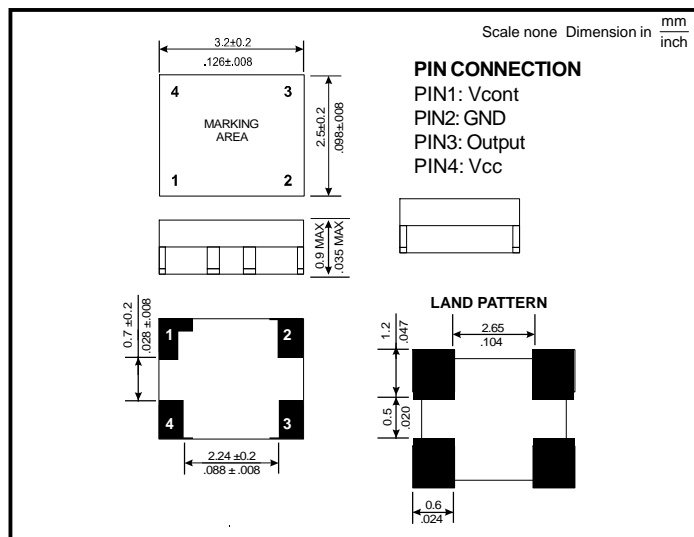


### SPECIFICATIONS\*

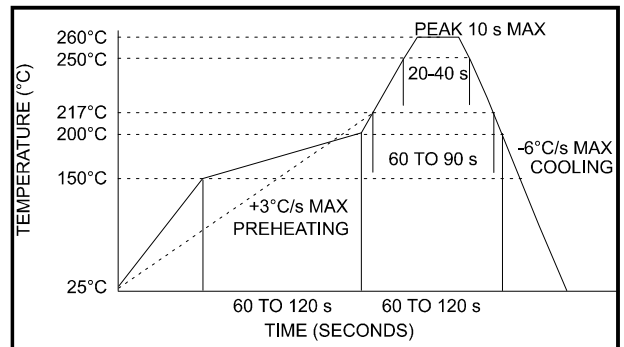
FREQUENCY	16.3676, 16.367667, 16.368, 16.369, 24.5535MHz	16.800 MHz	24.000, 38.400 40.000 MHz
SUPPLY VOLTAGE	2.7 ± 10% VDC	3.0 ± 10% VDC	3.3 ± 5% VDC
OUTPUT LEVEL (Clipped Sine Wave) (10 kohm//10pF±10%)	0.8 Vp-p Min	0.8 Vp-p Min	0.8 Vp-p Min
CURRENT (10 kohm//10pF±10%)	1.5 mA Max	1.5 mA Max	2.0 mA Max
OPERATING TEMPERATURE RANGE	-30°C to +85°C	-30°C to +85°C	-30°C to +85°C
STORAGE TEMPERATURE RANGE	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
TEMPERATURE STABILITY -30°C to +85°C(vs +25°C ±2°C)	±0.5 ppm Max	±0.5 ppm Max	±2.5 ppm Max
FREQUENCY STABILITY VS SUPPLY VOLTAGE	±0.2 ppm Max	±0.3 ppm Max	±0.3 ppm Max
FREQUENCY STABILITY VS LOAD (10 kohm//10pF±10%)	±0.2 ppm Max	±0.2 ppm Max	±0.2 ppm Max
FREQUENCY STABILITY VS AGING	±1.0 ppm Max/1 year	±1.0 ppm Max/1 year	±1.0 ppm Max/1 year
FREQUENCY TOLERANCE AT 25°C	±1.0 ppm Max	±1.0 ppm Max	±1.5 ppm Max
FREQUENCY TOLERANCE AFTER REFLOW	±2.0 ppm Max	±2.0 ppm Max	±1.0 ppm Max
FREQUENCY STABILITY OVER TEMPERATURE RANGE	±0.1ppm/°C Max -20°C~+75°C ±0.3ppm/°C Max -30°C~+85°C	±0.1ppm/°C Max -20°C~+75°C ±0.3ppm/°C Max -30°C~+85°C	±0.1ppm/°C Max -20°C~+75°C ±0.3ppm/°C Max -30°C~+85°C
PHASE NOISE	-130 dBc/Hz Typ.(1kHz offset)	-130 dBc/Hz Typ.(1kHz offset)	-130 dBc/Hz Typ.(1kHz offset)
HARMONICS	-5 dBc Max	-5 dBc Max	-7 dBc Max
PART NUMBER	RTXY-104AF327-S-FREQ	RTXY-104AF330-S-FREQ	RTXY-104AF333-S-16.800 RTXY-104EF333-S-FREQ

\* OTHER SPECIFICATIONS AVAILABLE, CONTACT SALES FOR DETAILS

### OUTLINE DRAWING



### REFLOW SOLDERING PROFILE



### PACKAGING

330mm REEL DIAMETER, 12mm TAPE WIDTH, QUANTITY: 3000 PIECES PER REEL