

5.0×3.2mm



Pb Free

RoHS Conforming

Features

- Miniature SMD Type (5.0x3.2x1.5mm)
- Reflow compatible
- AFC function available
- 2.7V/2.8V/3.0V drive available
- Frequency Stability : $\pm 2\text{ppm}$ at -30°C to $+80^{\circ}\text{C}$
- Phase Noise -140dBc/Hz @ 1kHz offset(max)

Applications

- GSM, CDMA

How to Order

KT20A - D C V 30 $\square$ - 19.680M - T
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Series

② Frequency stability

K	$\pm 5\text{ppm}$
E	$\pm 2.5\text{ppm}$
D	$\pm 2.0\text{ppm}$

③ Lower operating temp

C	-30°C
E	-20°C
G	-10°C

④ Upper operating temp

V	80°C
T	70°C
R	60°C

⑤ Supply Voltage

28	2.8V	30	3.0V
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⑥ Option Code

⑦ Frequency(MHz)

19.200	19.680	26.000
19.440	19.800	

⑧ Packaging

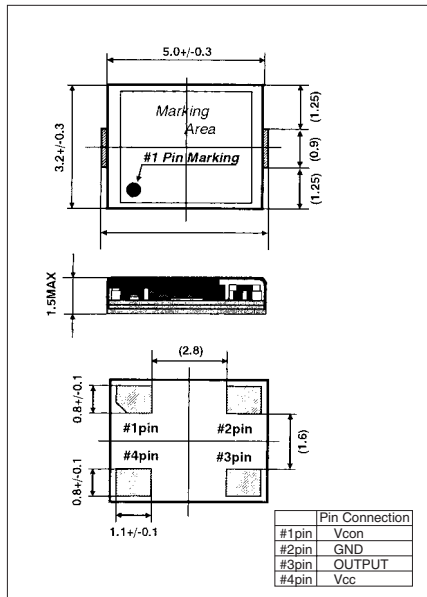
T	Tape & Reel
	4,000pcs/Reel

Specifications

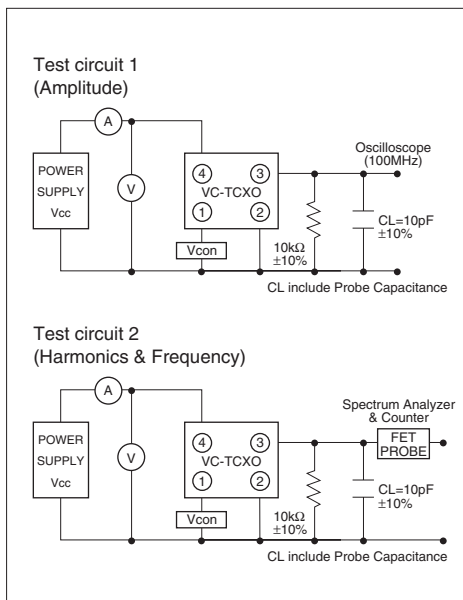
Item	Symbol	Conditions	Min.	Max.	Units
Output Frequency Range	F_{OUT}		19.2	26	MHz
Frequency Stability	$\Delta f/f_0$	vs Temperature	-2.0	+2.0	ppm
		vs Load	-0.2	+0.2	
		vs Voltage	-0.3	+0.3	
Storage Temp. Range	T_{STG}		-30	+80	$^{\circ}\text{C}$
Operating Temp. Range	T_{OPR}		-40	+85	$^{\circ}\text{C}$
Aging	Δf_{aging}	Per Year	-1	1	ppm
Voltage control range	$\Delta f/V$	Positive	+/-8	+/-15	ppm
Supply Voltage	V_{DD}		2.8	3	Volt
Output Voltage	V_{out}	10k ohm // 10pF	0.8	-	Vp-p
Current Consumption	I_{DD}		-	1.5	mA
Duty Ratio	SYM	@ 50% V_{DD}	40	60	%
Harmonics	-		-	-5	dBc

Dimensions

(Unit : mm)



Test Circuit



Recommended Land Pattern

(Unit : mm)

