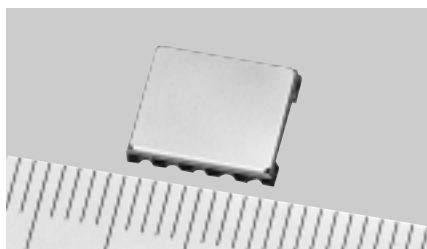


Series : **PJ1, PK1**



Features

- Low profile type
- Integration of VCO and PLL-IC into a compact body
- Meeting requirements for high speed lock up time

Recommended Applications

- Digital cellular systems

Performance Specifications, Summary

(Single band type)

Application	Series	Oscillator Frequency(RF)	IF Prescaler Input Frequency	Vcc(VCO)	Vcc(PLL)	Lock Up Time	C/N	Output Level
J-CDMA	PJ1/PK1	700 MHz	200 MHz	2.5 V	2.9 V	3 ms	— 138 dBc / Hz @ 900 kHz	— 3 dBm
K-CDMA	PJ1/PK1	900 MHz	100 MHz	2.8 V	3.0 V	3 ms	— 140 dBc / Hz @ 1.25 MHz	— 3 dBm
AMPS/CDMA	PJ1/PK1	900 MHz	100 MHz	2.8 V	3.0 V	3 ms	— 118 dBc / Hz @ 60 kHz	— 3 dBm
K-PCS	PJ1/PK1	1700 MHz	400 MHz	2.8 V	3.0 V	3 ms	— 136 dBc / Hz @ 1.25 MHz	— 3 dBm
US-PCS	PJ1/PK1	1900 MHz	400 MHz	2.8 V	3.0 V	3 ms	— 136 dBc / Hz @ 1.25 MHz	— 3 dBm

(Dual band type)

Application	Series	Oscillator Frequency(RF)	Oscillator Frequency(IF)	Vcc(VCO)	Vcc(PLL)	Lock Up Time	C/N	Output Level
PDC1.5G	PJ1	1600MHz	100MHz or 200MHz	2.5 V	2.9 V	1.2 ms	— 117 dBc / Hz@ 100 kHz	— 3 dBm
J-CDMA+GPS	PJ1	700MHz / 1.4GHz	200MHz(IF Prescaler Input)	2.5 V	2.9 V	3 ms	— 138 dBc / Hz@ 900 kHz	— 3 dBm
US Triple+GPS	PJ1	2.1GHz / 1.4GHz	300MHz(IF Prescaler Input)	2.9 V	3.0 V	3 ms	— 136 dBc / Hz@ 1.25 MHz	— 3 dBm

Can meet requirements by Vcc(VCO)=2.3V

Dimensions in mm (not to scale)

