

## SPECIFICATIONS:

- **Frequency range (HIGH BAND):** 1400 - 1590 MHz @ 0 - 3V tuning voltage
- **Frequency range (HIGH BAND):** 1400 - 1630 MHz @ 0 - 5V tuning voltage
- **Frequency range (LOW BAND):** 1225 - 1390 MHz @ 0 - 3V tuning voltage
- **Frequency range (LOW BAND):** 1225 - 1440 MHz @ 0 - 5V tuning voltage
- **Output level:** 1mW @ 2.5 - 3.5V power supply
- **Tuning sensitivity:** 80 MHz/V
- **Modulation:** to apply to the tuning pin
- **Power supply:** 2.5 - 3.5V, 8 - 15mA
- **Dimensions (W x L x H):** 6.1 x 8.1 x 1.6 mm
- **Package:** SMD

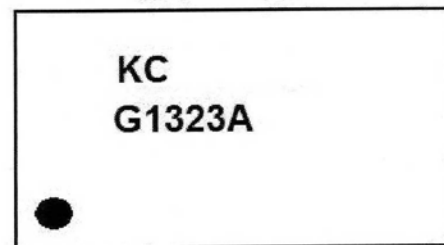


Output level Vs. power supply				
HIGH BAND				
Power supply		Tuning voltage	RF output	Frequency
V	mA	(V)	(dBm)	(MHz)
2.5	8	4	-3.5	1632
3	12	4	+0.7	1636
3.5	16	4	+3.6	1640
LOW BAND				
Power supply		Tuning voltage	RF output	Frequency
V	mA	(V)	(dBm)	(MHz)
2.5	8	4	-3	1428
3	11	4	+0.6	1430
3.5	15	4	+3.4	1432

Typical frequency Vs. tuning voltage		
(3V power supply)		
HIGH BAND		
Tuning voltage (V)	Frequency (MHz)	Output level (dBm)
0	1386	+0.9
1	1476	+1
2	1552	+1
3	1612	+0.7
4	1638	+0.7
5	1650	+0.6
LOW BAND		
Tuning voltage (V)	Frequency (MHz)	Output level (dBm)
0	1214	+1.9
1	1300	+1.6
2	1366	+1.4
3	1420	+1.1
4	1444	+1
5	1456	+1

### Top view

BAND SWITCH GND GND RF OUT

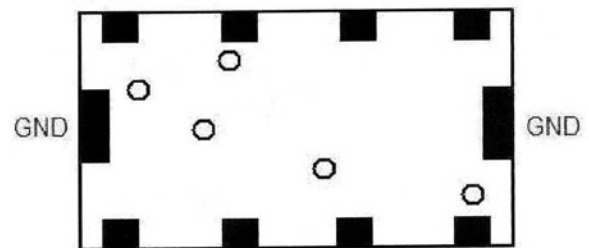


+Vtune GND +Vdc +Vdc

BAND SWITCH OPEN = LOW BAND  
BAND SWITCH TO +Vdc = HIGH BAND

### Bottom view

+Vtune GND +Vdc +Vdc



BAND SWITCH GND GND RF OUT