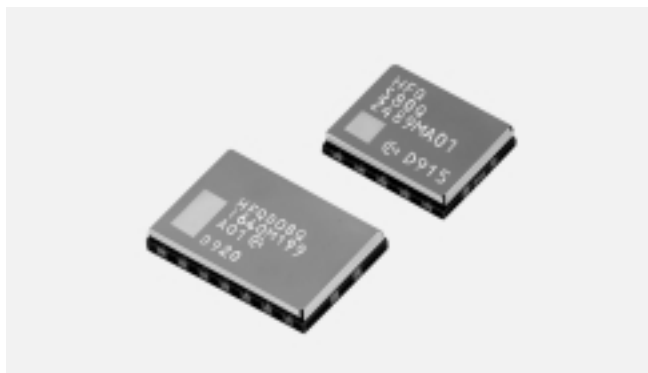




FEATURES

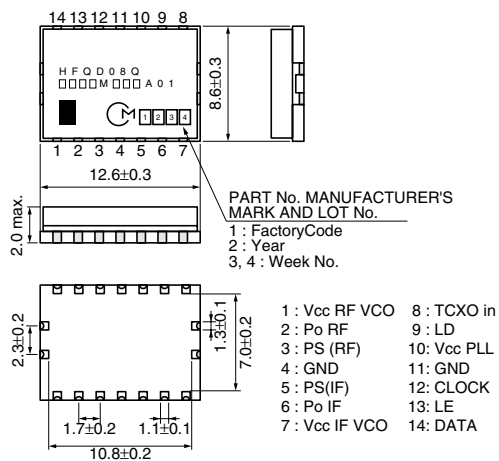
- Small and lightweight
- Low power consumption
- Excellent temperature stability

APPLICATIONS

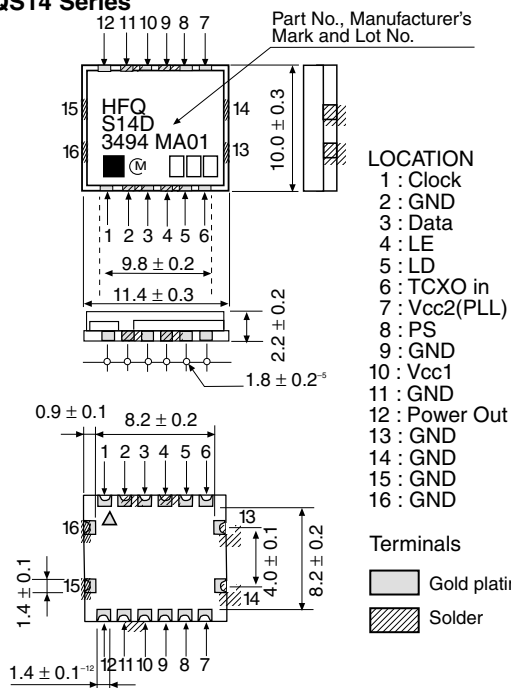
- Mobile and hand held telephone

DIMENSIONS: mm

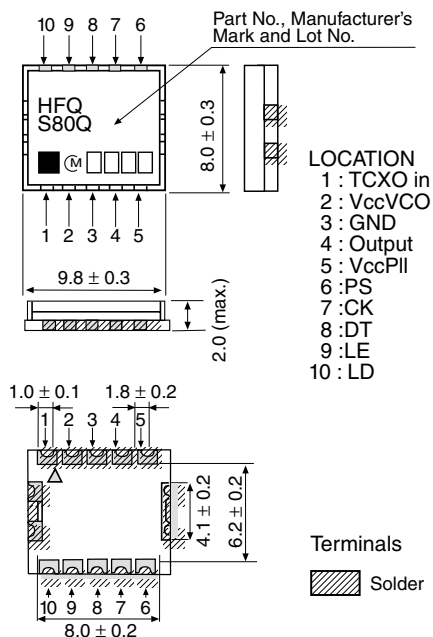
HFQD08 Series



HFQS14 Series



HFQS80 Series



OSCILLATORS

MICROWAVE OSCILLATORS

PHASE LOCK LOOP MODULE—SPECIFICATIONS

PLL MODULES

Application		Part Number	Operating Frequency Range (MHz)	Supply Voltage (1) (V)	Output Level (dBm)	Power Consumption (mA max.)	C/N (2) (dBc/Hz min.)	Lock-up Time (msec.max.)
VICS	Tx/Rx	HFQS80Q2489MA01	2489	3.0 ± 0.2	0 ± 3	23	-110	5.0
N-CDMA800	Tx/Rx	HFQD08B740M440A01	741.5 ± 19.5	2.8 ± 0.1	-4 ± 2.5	20	-138	5.0
ISM5.8	Tx/Rx	HFQS14D5820MA01	5820 ± 25	5.0 (3.0)	0 ± 3	37	—	1.0

(1) = Vcc1 (3.0) for VCO + Doubler, Vcc1 (5.0) for PLL-IC
(2) = Separation (kHz)

BLOCK DIAGRAM

