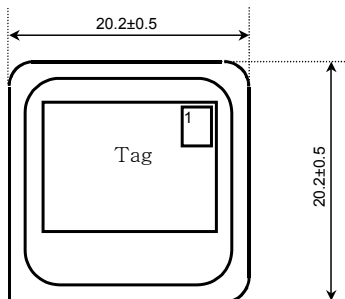
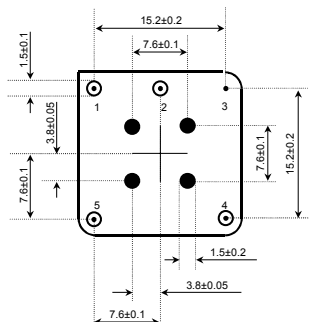
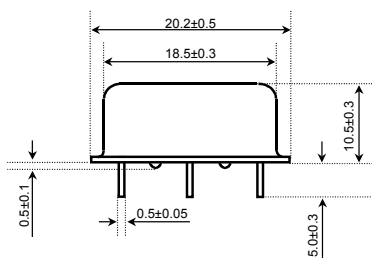


- ▶ PCS Base Station
- ▶ Cellular Base Station
- ▶ Synthesizer
- ▶ Measurement Equipment

OUTLINE DIMENSIONS



Pin no.	Configuration
# 1	Vcc
# 2	output
# 3	GND
# 4	Control voltage
# 5	Reference Voltage N/C

ELECTRICAL SPECIFICATIONS

Frequency range	1.000MHz to 100.000MHz
Frequency Accuracy	±0.1PPM(center control voltage)
Frequency stability	Stability up to ±0.05PPM
Aging (AT Cut)	±0.003PPM/Day,first year±0.5PPM,10year±3PPM
(AT Cut)	±0.001PPM/Day,first year±0.1PPM,10year±0.5PPM
Frequency Stability vs Load	±0.02PPM vs ±10% load change
Supply Voltage	+5VDC,+12.0VDC
Frequency Stability vs Voltage	±0.02PPM vs ±5% voltage change
Supply Consumption	3.60W(max.)when warm-up;1.2W(max.)when
Warm-up Time(AT Cut)	±0.5PPM,<3min.
(AT Cut)	±0.03PPM,<3min.
Adjustable Frequency Range(AT Cut)	±5.0PPM
	±1.0PPM
Control Voltage Range	0-5V
Slope	Positive
Linearity	±10%
Storage Temperature Range	-40~+100°C
Phase Noise	1Hz,-80dBc/Hz 10Hz,-120dBc/Hz 100Hz,-140dBc/Hz 1kHz,-145dBc/Hz 10kHz,-150dBc/Hz

FREQUENCY STABILITY VS TEMPERATURE

CODE		
A	±0.1PPM(AT Cut)	0~+50°C
B	±0.05PPM(SC Cut)	0~+50°C
C	±0.2PPM(AT Cut)	-20~+70°C
D	±0.1PPM(SC Cut)	-20~70°C
E	±0.5ppm(AT Cut)	-40~+75°C
F	±0.3ppm(SC Cut)	-40~+75°C

OUTPUT TYPE AND LOAD CHARACTERISTICS

Clip Sine Wave	Load :10KΩ / 10pF Output level:>1vp-p
TTL	Load:Max.10 Low power consumption TTL gates "1"level: > +2.4VDC;"0"Level: < +0.2VDC Duty cycle:45/55 Rise/fall time: < 6ns
HCMS	Load:Max.10 Low power consumption TTL /HCMOS "1"level: > +4.5VDC;"0"Level: < +0.5VDC Duty cycle:45/55 Rise/fall time: < 6ns

PHASE NOISE GRAPH

