

FEATURES

- 3.3 & 5.0 VOLT
- LOW JITTER PCL OUTPUT
- UTILIZING AN HF OVERTONE
- ENABLE/DISABLE OPTION
- STANDART TEMP. RANGE OR EXTENDED
- COMPLIMENTARY OUTPUT OPTION

SPECIFICATIONS

| PARAMETER | SYMBOL | CONDITIONS | VALUE | UNIT |
|--------------------------------------|---------------|---|--|------|
| FREQUENCY, NOM | fo | - | 155.520; 166.6286; 177.737142; 178.571428 | MHz |
| SUPPLY VOLTAGE, NOM | Vcc | Vcc±5% (OPTIONAL +3.3VDC) | 5.0 (OPTIONAL +3.3VDC) | V |
| SUPPLY CURRENT, MAX | Is | Vcc=+5.0VDC, Ta=+25 C, 50Ω TO 3.0VDC LOAD | 135.0 | mA |
| PECL OUTPUT LEVELS | VOH/VOL | LOAD=50Ω TO 3.0VDC, Vcc, NOM. | 3.98/3.38 | V |
| DUTY CYCLE | DC | LOAD=50Ω TO 3.0VDC / 50% Vcc | 40...60 | % |
| RISE AND FALL TIME | tr / tf | 20% ~ 80% Vout, 80% ~ 20% Vout | 1.7 | ns |
| FREQ. STABILITY VS TEMPERATURE, MAX | Δf/fc (Ta) | Ta=0°C +70°C, (REF. TO 25°C) (OPTIONAL -40°C TO +85°C) | ±50.0 | PPM |
| FREQ. STABILITY VS SUPPLY, MAX | Δf/fc (ΔVcc) | ±5% SUPPLY VARIATION | ±5.0 | PPM |
| FREQ. STABILITY VS. LOAD, MAX | Δf/fc (Δload) | ±10% LOAD VARIATION | ±3.0 | PPM |
| FREQ. STABILITY VS. CALIBRATION, MAX | (fo-fc)/fo | Vcc=+5.0VDC, Ta=+25 C, 50W TO 3.0VDC LOAD | ±15.0 | PPM |
| AGING | Δf/fc (Δt) | ΔT =1 st YEAR ΔT =PER YEAR THEREAFTER | ±4.0 ±2.0 | PPM |
| ENABLE | En | PIN 1=LOW, Vcc-1.620 (MAX) | ENABLED | - |
| DISABLE | Dis | PIN 1=HIGH, Vcc-1.025 (MIN) | PIN 8 = LOW | - |
| OPERATING TEMPERATURE | Ta | - | 0...+70 | °C |
| STORAGE TEMPERATURE | T(stg) | - | -55...+125 | °C |
| ABSOLUTE VOLTAGE RANGE | Vcc(abs) | NON-DESTRUCTIVE, DC | -0.5...+7.0 | V |

OUTLINE DRAWING

