FIBER OPTICS - CLOCK

FEATURES

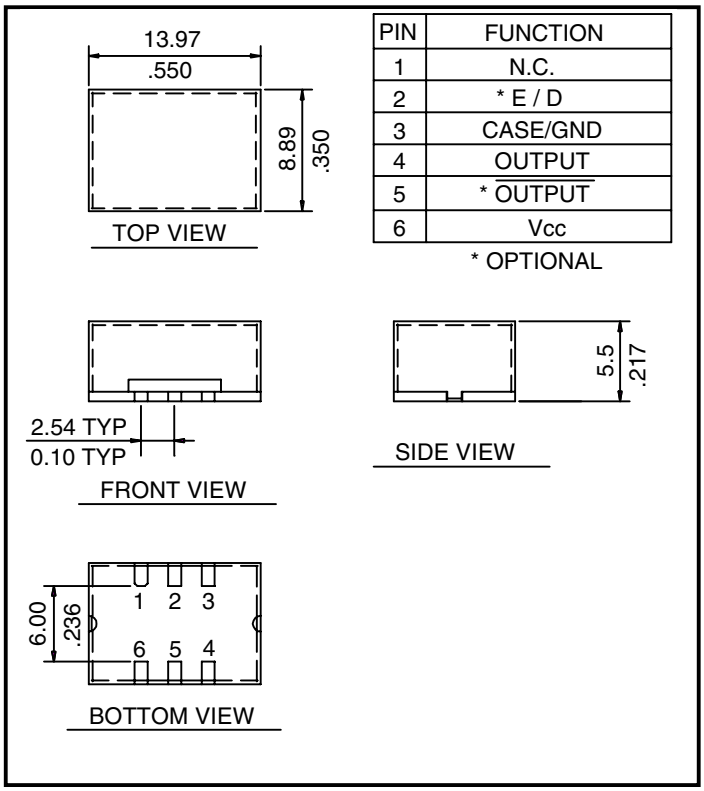
CO-CE8850A-LZ-FREQ.-FR5-C-EL

- 3.3 & 5.0 VOLT - FR5
- SMT 9x14 FR5 MINIATURE PACKAGE
- LOW JITTER PCL OUTPUT
- 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%	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	1.0	ns
JITTER, rms, MAX	J	1σ, Fj=12kHz 20MHz	1.0	ps
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, 50Ω TO 3.0VDC LOAD	–5.0	PPM
FREQ. STABILITY VS. LOAD, MAX	Δf/fc (Δload)	–10% LOAD VARIATION, Vcc=+5.0VDC, +25 C	–3.0	PPM
FREQ. CALIBRATION, MAX	(fo-fc)/fo	Vcc=+5.0VDC, Ta=+25 C, 50Ω TO 3.0VDC LOAD	–15.0	PPM
AGING	Δf/fc (Δt)	ΔT =1st YEAR ΔT =PER YEAR THEREAFTER	–4.0 –2.0	PPM
ENABLE	En	PIN 2=LOW, Vcc=1.620 (MAX)	ENABLED	-
DISABLE	Dis	PIN 2=HIGH, Vcc=1.025 (MIN)	PIN 4=LOW, PIN 5=HIGH	-
OPERATING TEMPERATURE	Ta	-	0 +70	C
STORAGE TEMPERATURE	T(stg)	-	-40 +85	C
ABSOLUTE VOLTAGE RANGE	Vcc(abs)	NON-DESTRUCTIVE, DC	-0.5 +7.0	V

OUTLINE DRAWING



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