



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. MATERIAL: ALUMINUM 6061T ALLOY
2. FINISH: ELECTROLESS NICKEL PLATING
3. WEIGHT: < 9 OZ (<255 gm)
4. COMPONENT TO BE HANDLED WITH ANTISTATIC PROTECTION
5. WARRANTY VOID IF WARRANTY SEAL BROKEN
6. DO NOT EXCEED OPERATION LIMITS
7. OUTLINE SUBJECT TO CHANGE WITHOUT NOTICE

PIN FUNCTIONS:

+12V: BIAS VOLTAGE (OTHER VOLTAGES AVAILABLE)
 LK : (LOCK ALARM), OPEN COLLECTOR, >+25V LOCKED, <0.8V UNLOCKED
 NC: NORMALLY NOT CONNECTED, (PHASE VOLTAGE OPTION AVAILABLE)
 RF OUTPUT:
 REF IN: INTERNAL REFERENCE (CONNECTED AT ALL TIMES)
 REF OUT: INTERNAL REFERENCE OUTPUT (CONNECTED AT ALL TIMES)
 REF OUT: INTERNAL REFERENCE (SAMPLE OUTPUT)
 NC: NOT CONNECTED
 VT: INT REF FREQ ELECTRONIC FINE TUNE, PRESET @ 2V TYP AT FACTORY (0 TO +5V FOR +/- 8PPM TUNING TYP)
 FADJ: INT REF FREQUENCY MECHANICAL ADJUST FINE TUNE PORT

TURN ON PROCEDURES:

1. CONNECT RF OUTPUT TO SPECTRUM ANALYZER
2. CONNECT DC GROUND LUG, APPLY DC POWER TO +15V PIN
3. VERIFY OUTPUT PHASE LOCKED FREQUENCY AND OUTPUT POWER
4. MONITOR LK FOR PHASE LOCKING, +5V LOCKED, <0.8V UNLOCKED
5. OUTPUT FREQ FINE ADJUSTMENT BY MECHANICAL ADJUSTMENT (FADJ) OR ELECTRONIC TUNING (APPLY 0 - 5V TO VT PIN). ALLOW 5 TO 10 MINUTES WARM UP TIME AFTER DC POWER ON
6. CONSULT FACTORY FOR ANY QUESTIONS

FILE# DC200106_2F		NEXYN CORPORATION		
		SANTA CLARA, CA. USA		
F. WONG		INTERNAL REFERENCE PHASE LOCKED DRD, NXPLDS-I SERIES (3 TO <9 GHz)		
		SIZE A	FSCM NO.	REV 2F
SCALE 3/4		DWG NO. DC200106	SHEET 1 OF 1	
		12/6/2001		