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PRODUCT SPECIFICATION
PART NUMBER: ACDL-A035

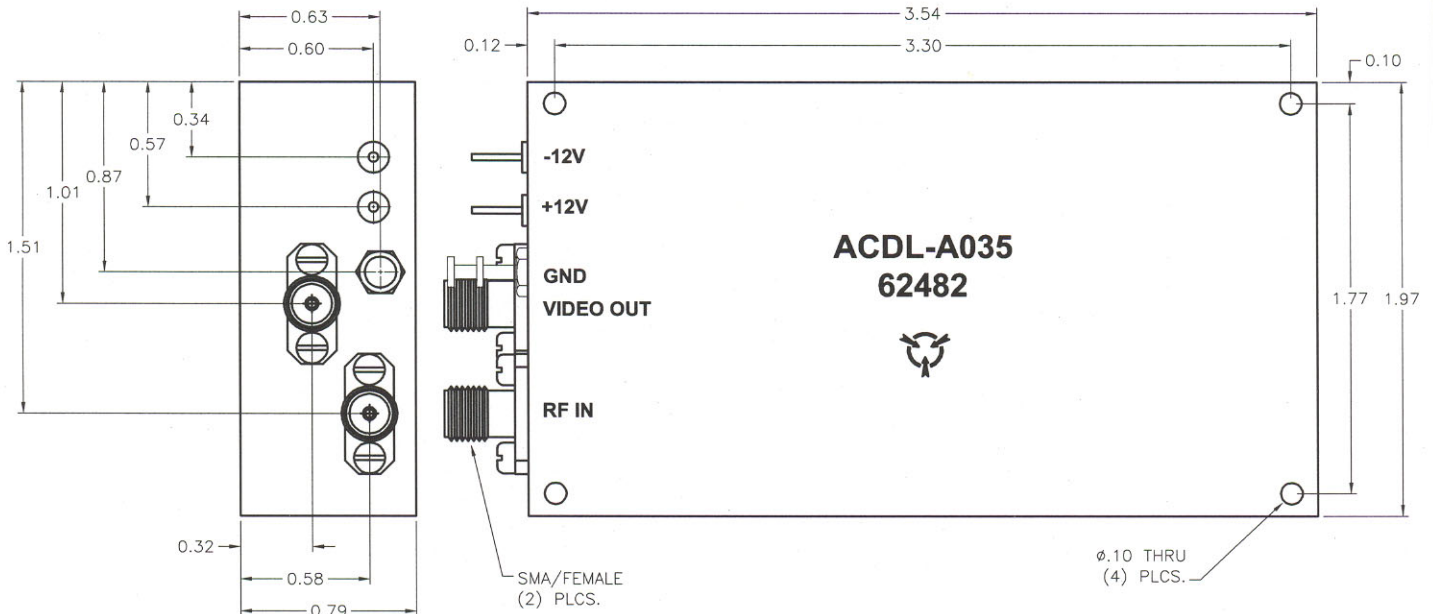
DESCRIPTION: DETECTOR LOG VIDEO AMPLIFIER, EXTENDED RANGE, DC COUPLED

REV.	DESCRIPTION	DATE	APP'D
-	INITIAL RELEASE	3/14/02	CP
A	UPDATED PER REVIEW	7/23/02	RG
B	UPDATED PER REVIEW	8/26/02	RG

FREQUENCY RANGE: 8 TO 18 GHz
 FREQUENCY FLATNESS: ± 2.5 dB
 TSS: -70 dBm
 LINEARITY VS. TEMP.: ± 2 dB
 DYNAMIC RANGE: TSS TO 5 dBm
 LOGGING RANGE: -67 TO 0 dBm
 LOG SLOPE: 80 ± 5 mV / dB
 LOG ACCURACY: ± 3 dB
 RISE TIME: 25 nSEC.
 SETTTLING TIME: 40 nSEC.
 RECOVERY TIME: 250 nSEC. @ -20 dBm
 750 nSEC. @ 0 dBm
 DC OFFSET DRIFT: ± 50 mV
 BASELINE NOISE: 120 mVp-p
 INPUT VSWR: 2 : 1 @ -20 dBm
 MAX. INPUT POWER: 20 dBm
 VIDEO LOAD: 100 OHM
 SUPPLY / CURRENT: 12V / 300 mA;
 -12V / 120 mA
 TEMPERATURE RANGE: -54°C TO +94°C
 DC BIAS: $\emptyset 0.030$ SOLDER PIN
 RF CONNECTOR: SMA FEMALE
 FINISH: NICKEL PLATE

OPTIONS:

- * CHANGE OF SLOPE
- * OTHER WIDE - BAND FREQUENCY RANGES FROM 0.5 TO 40 GHz OR NARROWER BANDS WITH OPTIMIZED PERFORMANCE CHARACTERISTICS



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CAUTION
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UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
TOLERANCES ON FINISH: RMS 63
ANGLES: $\pm 1/2^\circ$ FRACTIONS: $\pm 1/64$
4 PLACE DECIMALS: ± 0.0005
3 PLACE DECIMALS: ± 0.005
2 PLACE DECIMALS: ± 0.01

DRAWN BY: B. KRALL

2/20/02

APPROVED BY: CP

3/14/02

SHEET: 1 OF 1

FILECODE: ACDL-A035