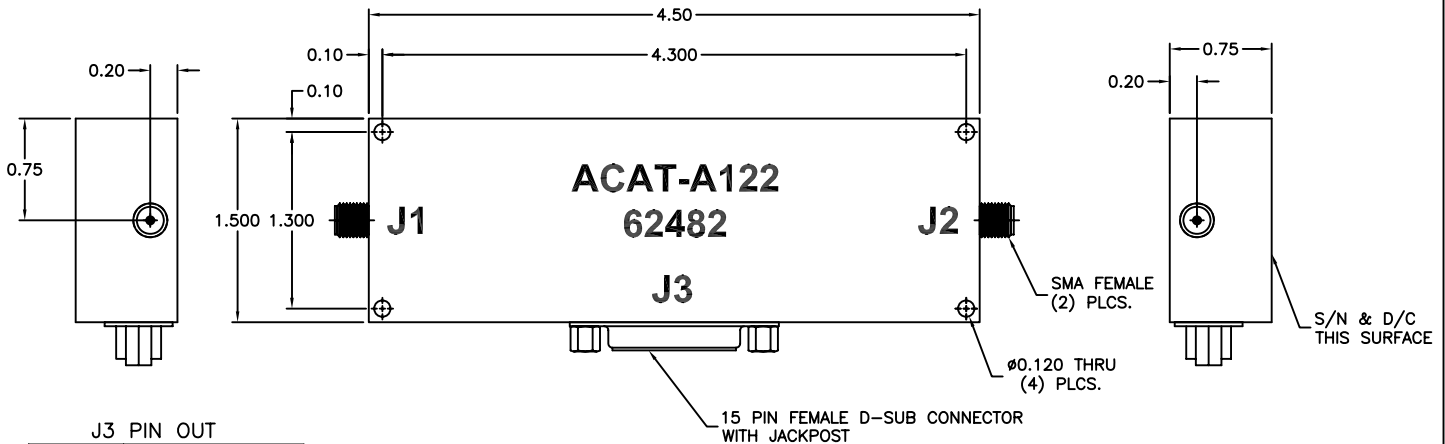




PRODUCT SPECIFICATION
PART NUMBER: ACAT-A122
DESCRIPTION: ATTENUATOR, DIGITAL, 8 BIT, 63 dB

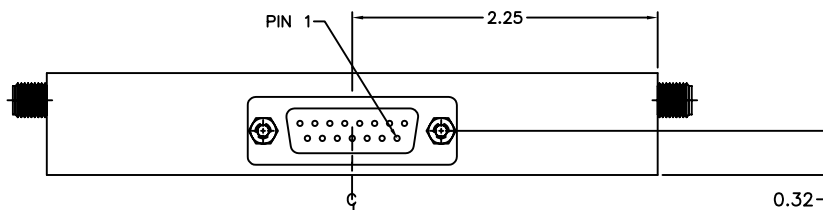
FREQUENCY RANGE: 2.50 - 2.75 GHz MIN.
 INSERTION LOSS: 5.0 dB MAX.
 VSWR: 1.6 : 1 MAX. (50 OHM)
 ATTENUATION CONTROL RANGE: 60 dB MIN
 RESOLUTION: .25 dB (LSB)
 32 dB (MSB)
 ACCURACY: 1/2 LSB or 1.5% WHICHEVER IS GREATER
 ATTENUATION FLATNESS: +/- .20 dB MAX
 PHASE FLATNESS: +/- 2.5 DEG MAX
 CONTROL BITS: E1 = .25 dB, E2 = .50 dB, E3 = 1.0 dB, E4 = 2.0 dB
 E5 = 4.0 dB, E6 = 8.0 dB, E7 = 16.0 dB, E8 = 32.0 dB
 MONOTONICITY: GUARANTEED
 SWITCHING SPEED: T on = 150 nSEC MAX, T off = 350 nSEC MAX
 POWER, OPERATING: 27 dBm MAX
 DC BIAS: +5V @250 mA MAX.
 CONTROL: TTL 0 = LOW LOSS,
 TTL 1 = ATTENUATION
 TEMP. RANGE:
 (OPERATING): -40°C TO +55°C
 (STORAGE): -55°C TO +100°C
 BIAS AND CONTROL: 15 PIN, FEMALE, D-SUB
 RF CONNECTORS: SMA FEMALE
 FINISH: GRAY EPOXY PAINT PER MIL-C-22750

REV.	DESCRIPTION	DATE	APP'D
-	INITIAL RELEASE	1/16/06	JP



J3 PIN OUT

PIN	FUNCTION
1	E1 (.25dB)
2	E2 (.50dB)
3	E3 (1.0dB)
4	E4 (2.0dB)
5	E5 (4.0dB)
6	E6 (8.0dB)
7	E7 (16dB)
8	E8 (32dB)
9	N/C
10	GND
11	GND
12	GND
13	+5
14	N/C
15	GND



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CAUTION
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UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
TOLERANCES ON FINISH: RMS 63
ANGLES: ±1/2° FRACTIONS: ±1/64
4 PLACE DECIMALS: ±.0005
3 PLACE DECIMALS: ±.005
2 PLACE DECIMALS: ±.01

DRAWN BY: J PELESZ 11/20/01

APPROVED BY: J PELESZ 11/20/01

SHEET: 1 OF 1

FILECODE: ACAT-A122