

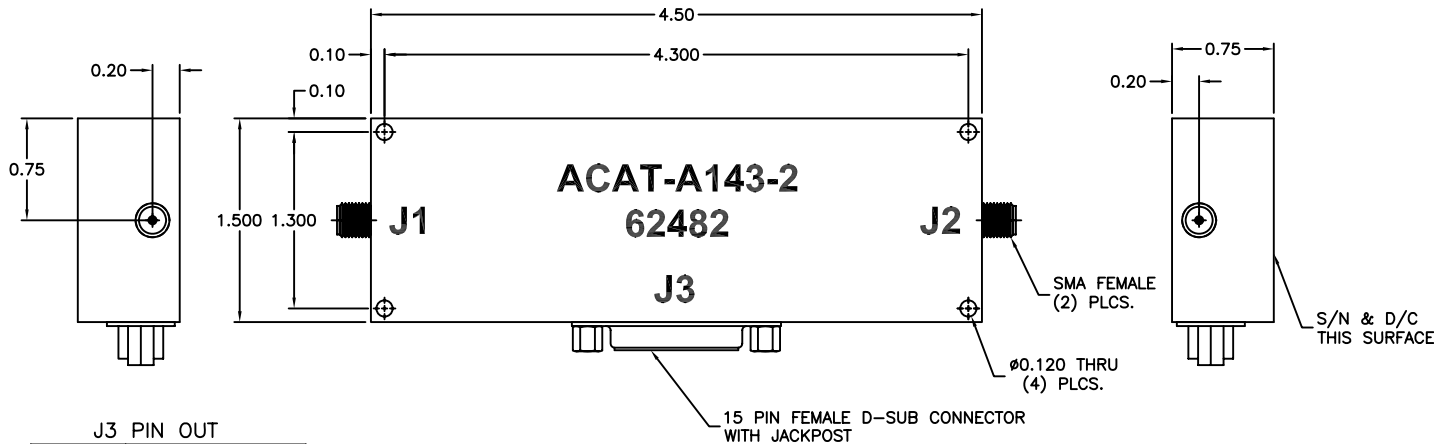


PRODUCT SPECIFICATION
PART NUMBER: ACAT-A143-2
DESCRIPTION: ATTENUATOR, DIGITAL, 7 BIT, 95 dB

FREQUENCY RANGE:	3.0 ± 0.25 GHz MIN.
INSERTION LOSS:	4.1 dB MAX.
VSWR:	2.0 : 1 MAX. (50 OHM)
LSB:	1 dB
MSB (x2):	32 dB
ATTENUATION ACCURACY:	± 0.5 dB 0 - 20 dB ± 1.0 dB 20 - 40 dB ± 1.5 dB 40 - 60 dB
ATTENUATION FLATNESS:	± 0.3 dB 0 - 20 dB ± 0.6 dB 20 - 40 dB ± 1.0 dB 40 - 60 dB
ATTENUATION RANGE:	80 dB MIN. 95 MAX. MONOTONIC
SWITCHING SPEED:	200 nSEC. (50% TTL TO 90/10% RF)
POWER, OPERATING:	100 mW MAX.
DC BIAS:	+5V @240 mA MAX.
CONTROL:	TTL 0 = LOW LOSS, TTL 1 = ATTENUATION
TEMP. RANGE:	
(OPERATING):	-40°C TO +85°C
(STORAGE):	-55°C TO +125°C
BIAS AND CONTROL:	15 PIN, FEMALE, D-SUB
RF CONNECTORS:	SMA FEMALE
FINISH:	GRAY EPOXY PAINT PER MIL-C-22750

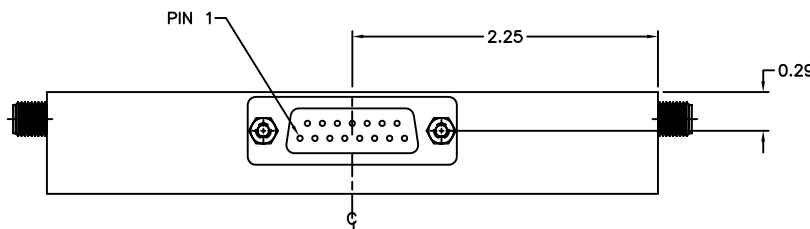
REV.	DESCRIPTION	DATE	APP'D
-	INITIAL RELEASE	11/20/01	RG
A	UPDATED SPEC.	6/14/02	RG
B	UPDATED SPEC.	3/24/05	CP
C	UPDATED SPEC. PER ECN. #050415-5	3/24/05	DW
D	UPDATED SPEC. PER ECO # 060524-2	5/24/06	BG

Measurement of attenuation level > 60 dB is performed by addition of individual steps.
Testing performed at room temperature only. Performance guaranteed over operating temperature.



J3 PIN OUT

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



Specifications subject to change without notice

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CAUTION
UNLESS THIS DRAWING BEARS AUTHORIZED SIGNED APPROVAL(S) IT IS PRELIMINARY AND IS NOT TO BE USED FOR MANUFACTURING PURPOSES.

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: C PERRONE 11/20/01
APPROVED BY: R. GALLI 11/20/01
SHEET: 1 OF 1
FILECODE: ACAT-A143-2