

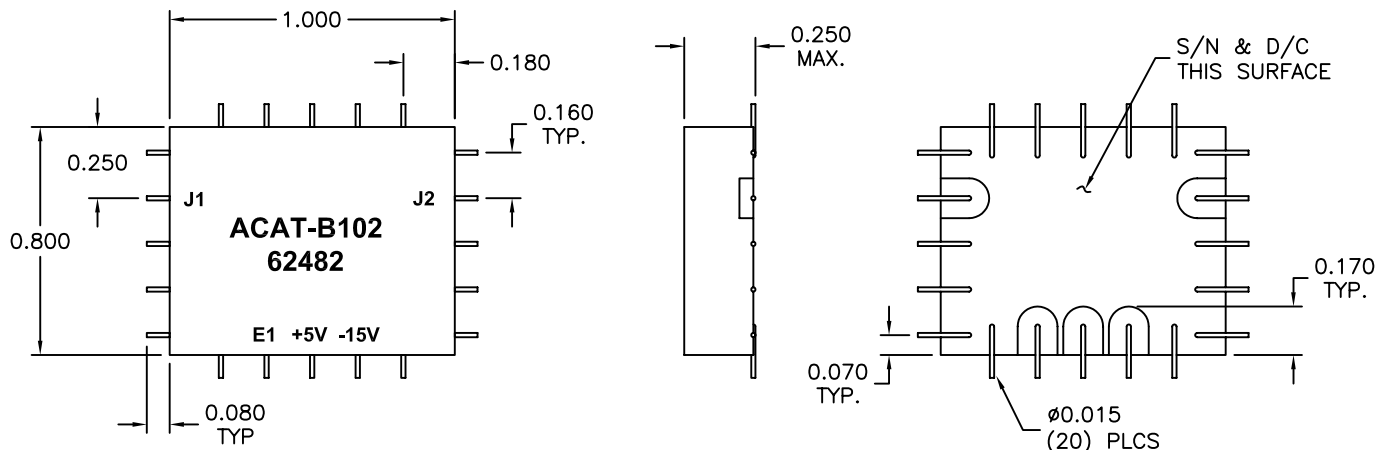


PRODUCT SPECIFICATION
PART NUMBER: ACAT-B102
DESCRIPTION: ATTENUATOR, DIGITAL, 2 BIT, 9 dB, SURFACE MOUNT

FREQUENCY RANGE: 2.7 - 3.3 GHz MIN.
 INSERTION LOSS: 2.0 dB MAX.
 VSWR: 1.5 : 1 MAX.
 LSB: 3 dB
 MSB: 6 dB
 TOTAL ATTENUATION: 9 dB ABOVE INSERTION LOSS
 ATTENUATION ACCURACY: ± 0.3 dB MAX.
 ATTENUATION FLATNESS: ± 0.15 dB MAX.
 SWITCHING SPEED: 100 nSEC. MAX. (50% TTL - 90/10% RF)
 15 nSEC. MAX. (10/90% RF - 90/10% RF)
 1 dB COMPRESSION POINT: +25 dBm MIN.
 DC BIAS: +5V @ 70 mA MAX.
 CONTROL: TTL 0 = LOW LOSS
 TTL 1 = ATTENUATION
 E1 CONTROLS 3 dB BIT
 E2 CONTROLS 6 dB BIT

TEMPERATURE:
 OPERATING: 0 TO +50°C
 STORAGE: -55°C TO +125°C
 FINISH: GOLD PLATE PER MIL-G-45204

REV.	DESCRIPTION	DATE	APP'D
-	INITIAL RELEASE	6/00	RG
A	UPDATED TO NEW FORMAT	5/16/01	CP
B	CHANGED INSERTION LOSS SPEC	10/4/01	RG
C	UPDATED SPEC.	6/14/02	RG
D	UPDATED SPEC.	3/24/05	CP



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UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
 TOLERANCES ON FINISH: RMS 6.3
 ANGLES: ±1/2° FRACTIONS: ±1/64
 4 PLACE DECIMALS: ±.0005
 3 PLACE DECIMALS: ±.005
 2 PLACE DECIMALS: ±.01

DRAWN BY: C PERRONE 5/16/01

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SHEET: 1 OF 1

FILECODE: ACAT-B102