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Control
Components
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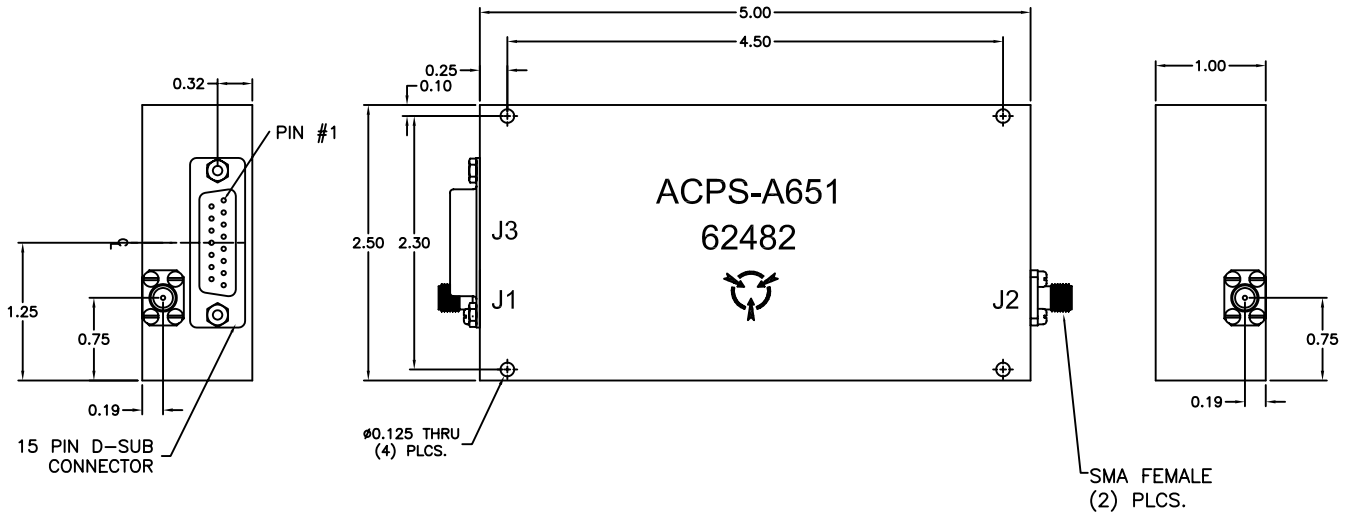
PRODUCT SPECIFICATION
PART NUMBER: ACPS-A651
DESCRIPTION: PHASE SHIFTER, DIGITAL, 8-BIT, 1.4° LSB

REV.	DESCRIPTION	DATE	APP'D
–	INITIAL RELEASE	7/30/02	BK
A	CHANGED DIMENSIONS	8/19/02	DW
B	UPDATED SPECS.	6/1/05	RG

FREQUENCY RANGE:	250 - 500 MHZ
INSERTION LOSS:	6.0 dB MAX.
VSWR:	1.8 : 1 MAX. (50 OHM)
AMPLITUDE RIPPLE:	±1.25 dB MAX.
PHASE FLATNESS:	±20%
SWITCHING TIME:	300 nSEC. MAX.
POWER, OPERATING:	+10 dBm MAX.
DC BIAS:	+15V @ 50 mA MAX. -15V @ 50 mA MAX.
PHASE CONTROL:	TTL 0 = REFERENCE (0° PHASE) TTL 1 = PHASE PIN 1 = 1.40° PIN 7 = 90° PIN 2 = 2.81° PIN 8 = 180° PIN 3 = 5.63° PIN 9 - PIN 12 = N/C PIN 4 = 11.25° PIN 5 = 22.5° PIN 6 = 45°
TEMPERATURE STABILITY PHASE:	±2.0° OVER OPERATING TEMPERATURE RANGE
TEMPERATURE (OPERATING):	0°C TO +40° C
(STORAGE):	-40°C TO +85°C
RF CONNECTORS:	SMA FEMALE
BIAS AND CONTROL:	15 PIN D-SUB CONNECTOR
FINISH:	GRAY EXPOXY PAINT PER MIL-C-22750



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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: B. KRALL		7/26/02
APPROVED BY: D. WHEAT		7/30/02
SHEET: 1 OF 1		
FILECODE: ACPS-A651		

SPEC SHEET REV –