



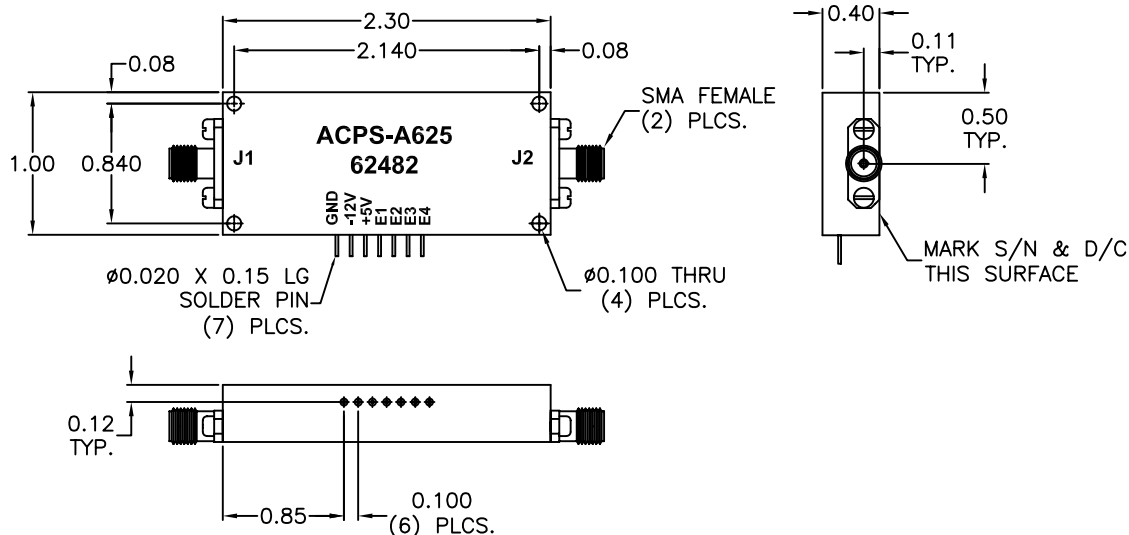
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PRODUCT SPECIFICATION
PART NUMBER: ACPS-A625
DESCRIPTION: PHASE SHIFTER, DIGITAL, 4-BIT, 22.5° LSB

FREQUENCY RANGE: 10.5 - 11.5 GHZ MIN.
INSERTION LOSS: 6.0 dB MAX.
VSWR: 2.0 : 1 MAX. (50 OHM)
PHASE FLATNESS: $\pm 1.5^\circ$ MAX. @ 22.5°
 $\pm 3.0^\circ$ MAX. @ 45°
 $\pm 6.0^\circ$ MAX. @ 90°
 $\pm 12.0^\circ$ MAX. @ 180°
 $\pm 23.0^\circ$ MAX. @ 337.5°
PHASE ACCURACY: $\pm 3^\circ$ MAX. @ 22.5°
 $\pm 5^\circ$ MAX. @ 45°
 $\pm 8^\circ$ MAX. @ 90°
 ± 10.0 MAX. @ 180°
 $\pm 20.0^\circ$ MAX. @ 337.5°
PHASE SHIFTING RANGE: 337.5°
SWITCHING TIME: 100 nSEC. MAX.
POWER, OPERATING: +25 dBm MAX.
DC BIAS: +5V @ 190 mA
-12V @ 210 mA
PHASE CONTROL: TTL 0 = PHASE REF., TTL 1 = PHASE SHIFT
E1 = 22.5° (LSB)
E2 = 45°
E3 = 90°
E4 = 180°
TEMPERATURE
(OPERATING): -40°C TO +85° C
(STORAGE): -55°C TO +100°C
RF CONNECTORS: SMA FEMALE
BIAS AND CONTROL: Ø0.020 X 0.15 SOLDER PINS
FINISH: GRAY EPOXY PAINT PER MIL-C-22750

REV.	DESCRIPTION	DATE	APP'D
-	INITIAL RELEASE	9/00	--
A	UPDATED TO NEW FORMAT	5/10/01	CP
B	CORRECTED SPECS	5/17/01	RG
C	UPDATED SPECS	6/1/05	RG



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CAUTION
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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: $\pm 1/2^\circ$ FRACTIONS: $\pm 1/64$
4 PLACE DECIMALS: ± 0.0005
3 PLACE DECIMALS: ± 0.005
2 PLACE DECIMALS: ± 0.01

DRAWN BY: C PERRONE 5/10/01
APPROVED BY: D. WHEAT 5/10/01
SHEET: 1 OF 1
FILECODE: ACPS-A625

SPEC SHEET REV -