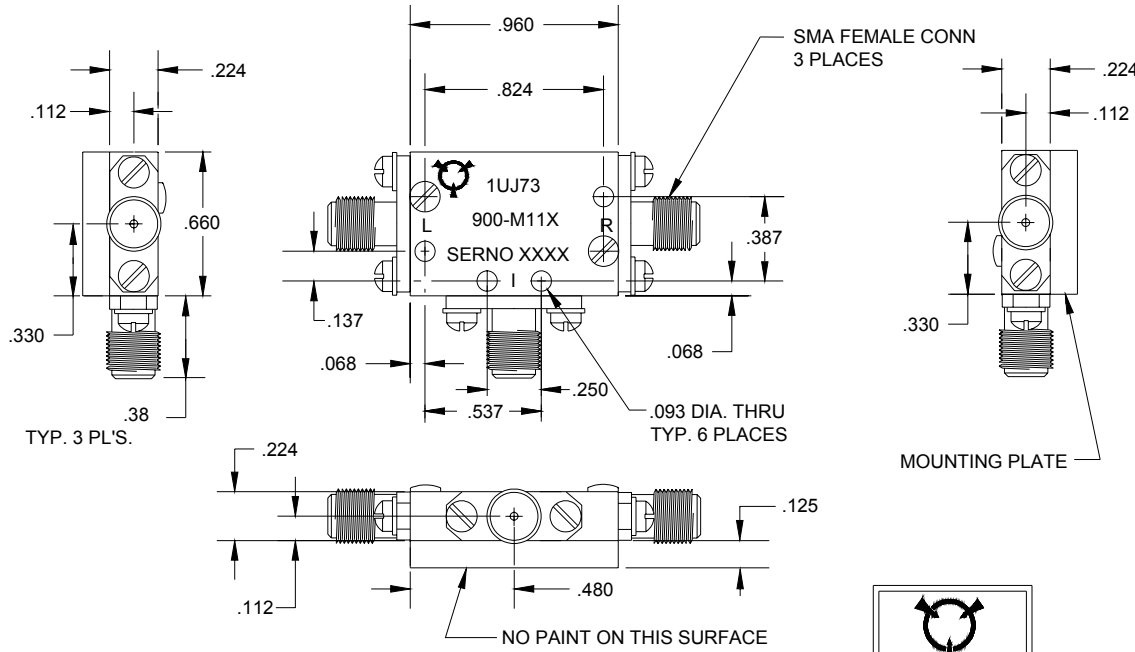


REVISIONS				
ZONE	SYM	DESCRIPTION	DATE	APPROVED



SPECIFICATIONS

LO & RF INPUT FREQUENCY: 2.0 TO 8.0 GHz
 IF OUTPUT FREQUENCY: 0.7 TO 6.0 GHz
 LO DRIVE (900-M110): +7 dBm TO +10 dBm
 LO DRIVE (900-M111): +11 dBm TO +13 dBm
 LO DRIVE (900-M112): +14 dBm TO +17 dBm

SSB CONVERSION LOSS: 6.5 dB TYP.
 9.0 dB MAX.

LO TO RF ISOLATION: 28 dB TYP.
 23 dB MIN.

LO TO IF ISOLATION: 25 dB TYP.
 20 dB MIN.

VSWR:
 LO: 3.5:1 MAX.
 RF: 2.7:1 MAX.
 IF: 2.2:1 TYP.

INPUT 1dB COMPRESSION POINT:
 900-M110: +3 dBm TYP.
 900-M111: +7 dBm TYP.
 900-M112: +10 dBm TYP.

INPUT TWO-TONE THIRD ORDER INTERCEPT POINT:
 900-M110: +15 dBm TYP.
 900-M111: +17 dBm TYP.
 900-M112: +20 dBm TYP.

OPERATING TEMPERATURE: -55°C TO +100°C

NOTES:

1. MATERIAL: HOUSING AND COVERS ALUMINUM ALLOY. CONNECTORS, CRES
2. FINISH: (EXCEPT CONNECTORS) WASH PRIMER PER DOD-P-15328D, PRIMER PER MIL-P-23377D, PAINT PER MIL-C-22750, COLOR BLUE.
3. MOUNTING PLATE IS ANODIZED PER MIL-A-8625, TYPE I.
4. MARKING: BLACK EPOXY INK AS FOLLOWS: "L", "R", "I", "1UJ73", "900-M11X", "SERNO XXX".
5. DATE CODE ON SIDE OF HOUSING. (YYWW)



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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FINISH R/S/63 ANGLES: ±1/2° FRACTIONS: ±1/64 3 PLACE DECIMALS: ± .005 2 PLACE DECIMALS: ± .01 1 PLACE DECIMALS: ± .1 FILLET: .008R MAX REMOVE BURRS AND SHARP EDGES TO .005 MAX. R OR CHAMFER	DRAFT	R.A.J.	DATE	TITLE	
	CHKD		8/28/02	MIXER OUTLINE	
	PROD			SIZE	CAGE CODE
	ENGR	R.A.J.	8/28/02	B	1UJ73
	QA			DWG NO	
				900-M110/111/112	
				SCALE 2:1	SHEET 1 OF 1