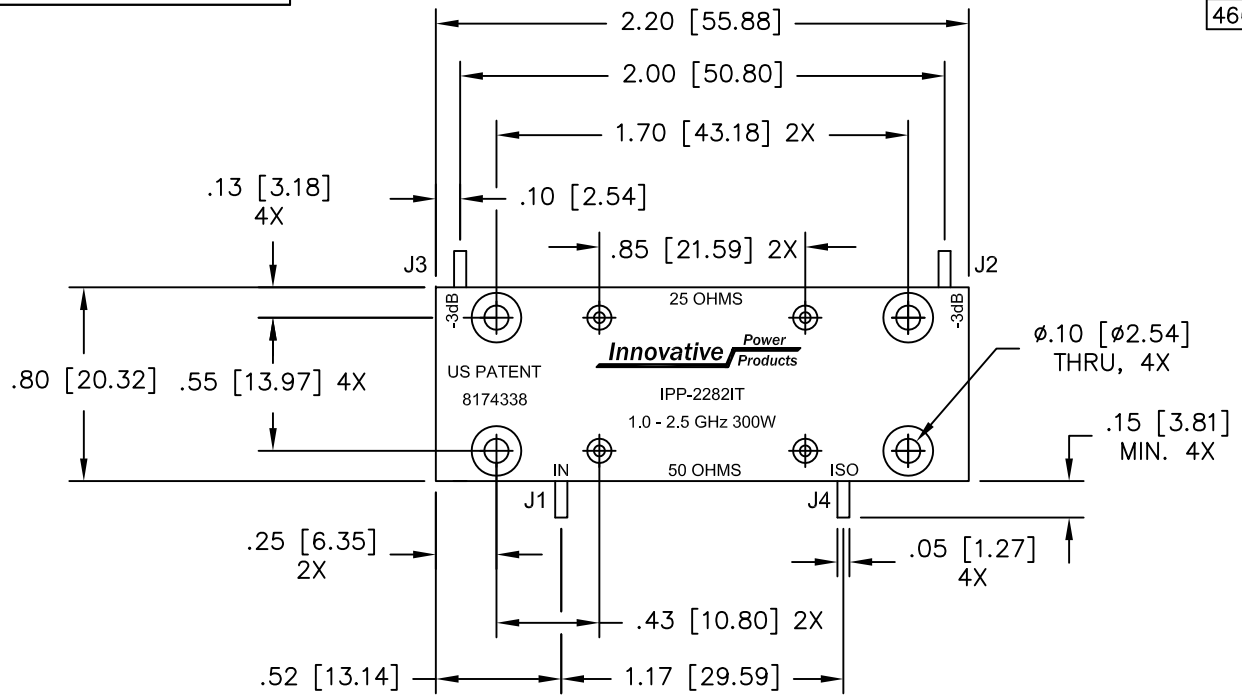
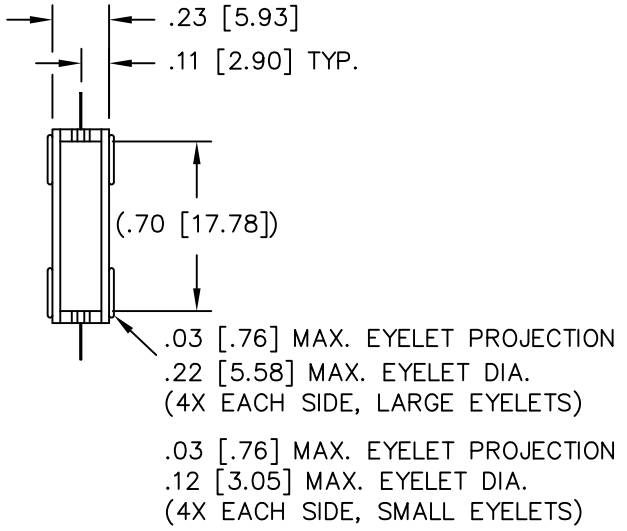
UNAUTHORIZED USE OF THIS DRAWING IS STRICTLY PROHIBITED

DAR	REV	DESCRIPTION	APPVD	DATE
3714	A	INITIAL RELEASE	DG	6–12
4662	B	SEE DAR	DG	11–13





NOTES:
1. LEAD MATERIAL: 99.99% PURE SILVER .005 [.127] THICK.
2. SEE 90° APPLICATION NOTE FOR FURTHER INFORMATION.
3. RoHS COMPLIANT.
4. DATA AND SPECIFICATIONS APPLY WHEN PART IS MOUNTED IN IPP TEST FIXTURE TF–1043. TEST FIXTURE CONFIGURATION/FOOTPRINT AVAILABLE ON REQUEST.
5. PATENTED DESIGN: US PATENT #8174338

ELECTRICAL SPECIFICATIONS

FREQUENCY:	1.0 – 2.5 GHz.
INSERTION LOSS:	< 0.50 dB
VSWR:	< 1.30:1
ISOLATION:	> 14 dB
AMPLITUDE BALANCE:	±0.90 dB
PHASE BALANCE:	±5°
POWER:	300 WATT
IN, ISO:	50 OHMS
–3dB:	25 OHMS
TEMP:	–55 TO 85°C

PORT CONFIGURATION				
INPUT	J1	J4	J3	J2
J1, 50 Ω	---	ISOLATION	-3dB<0 DEG	-3dB<-90 DEG
J4, 50 Ω	ISOLATION	---	-3dB<-90 DEG	-3dB<0 DEG
J3, 25 Ω	-3dB<0 DEG	-3dB<-90 DEG	---	ISOLATION
J2, 25 Ω	-3dB<-90 DEG	-3dB<0 DEG	ISOLATION	---

MATERIAL: AL. ALLOY, 6061-T6	DWN S.Cornell	DATE 6-7-12	Innovative Power Products
FINISH: CHEM FILM CLEAR PER MIL-DTL-5541, TYPE 2, REV F, CLASS 3 ROHS COMPLIANT	ENG DG	DATE 6-12	TITLE: OUTLINE, IT90, IMPEDANCE TRANSFORMING, 90° COUPLER, 1.0 - 2.5 GHz. 300W
TOLERANCE: .XX ±.02 [.50] .XXX ±.005 [.127] ANG. ±1/2°	MANUF	DATE	
	CAGE CODE: 437R2		
	SHEET 1 OF 1	SCALE 2:1	SIZE B / P/N IPP-2282IT / REV. B