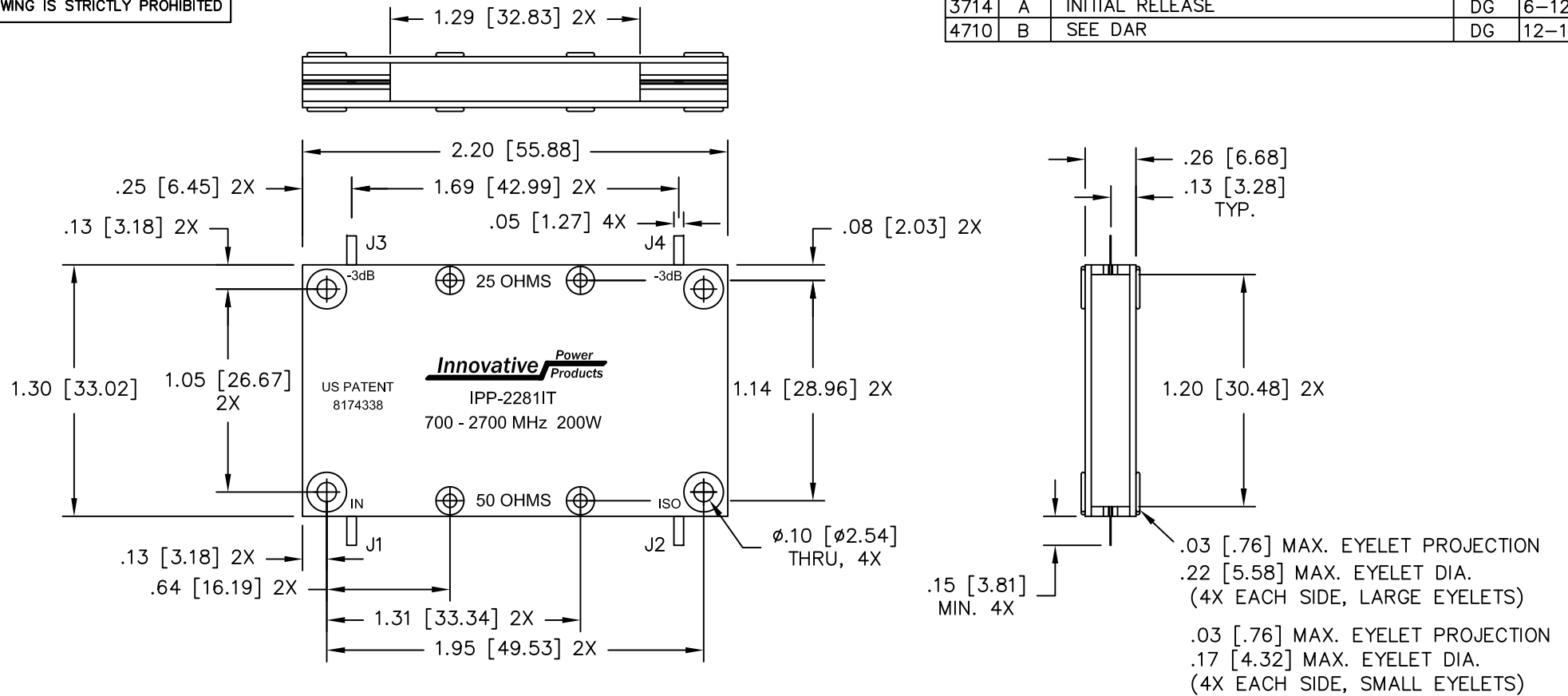


UNAUTHORIZED USE OF THIS
DRAWING IS STRICTLY PROHIBITED

DAR	REV	DESCRIPTION	APPVD	DATE
3714	A	INITIAL RELEASE	DG	6-12
4710	B	SEE DAR	DG	12-13



ELECTRICAL SPECIFICATIONS

FREQUENCY:	700 - 2700 MHz.
INSERTION LOSS:	< 0.75 dB
VSWR:	< 1.30:1
ISOLATION:	> 14 dB
AMPLITUDE BALANCE:	±0.80 dB
PHASE BALANCE:	±5°
POWER:	200 WATT
TEMPERATURE:	-55°C TO 85°C
IN,ISO:	50 OHMS
	-3dB: 25 OHMS

PORT CONFIGURATION				
INPUT	J1	J2	J3	J4
J1	---	ISOLATION	-3dB<0 DEG	-3dB<-90 DEG
J2	ISOLATION	---	-3dB<-90 DEG	-3dB<0 DEG
J3	-3dB<0 DEG	-3dB<-90 DEG	---	ISOLATION
J4	-3dB<-90 DEG	-3dB<0 DEG	ISOLATION	---

NOTES:

- PATENTED DESIGN:
US PATENT #8174338.
- LEAD MATERIAL: 99.99% PURE SILVER
.005 [.127] THICK.
- SEE 90° APPLICATION NOTE FOR
FURTHER INFORMATION.
- RoHS COMPLIANT.
- DATA AND SPECIFICATIONS APPLY
WHEN PART IS MOUNTED IN IPP TEST
FIXTURE TF-1235. TEST FIXTURE
CONFIGURATION/FOOTPRINT AVAILABLE
ON REQUEST.

MATERIAL AL. ALLOY, 6061-T6	DWN S.Cornell	DATE 6-8-12	Innovative Power Products	
	ENG DG	DATE 6-12		
FINISH CHEM FILM CLEAR PER MIL-DTL-5541, TYPE 2, REV F, CLASS 3 ROHS COMPLIANT	MANUF	DATE	TITLE OUTLINE, IT90, IMPEDANCE TRANSFORMING 90° COUPLER, 700-2700 MHz. 200W	
	CAGE CODE: 437R2		SIZE B	P/N IPP-2281IT
TOLERANCE .XX ±.02 [.50] .XXX ±.005 [.127] ANG. ±1/2°	SHEET OF 1 1	SCALE 2:1		