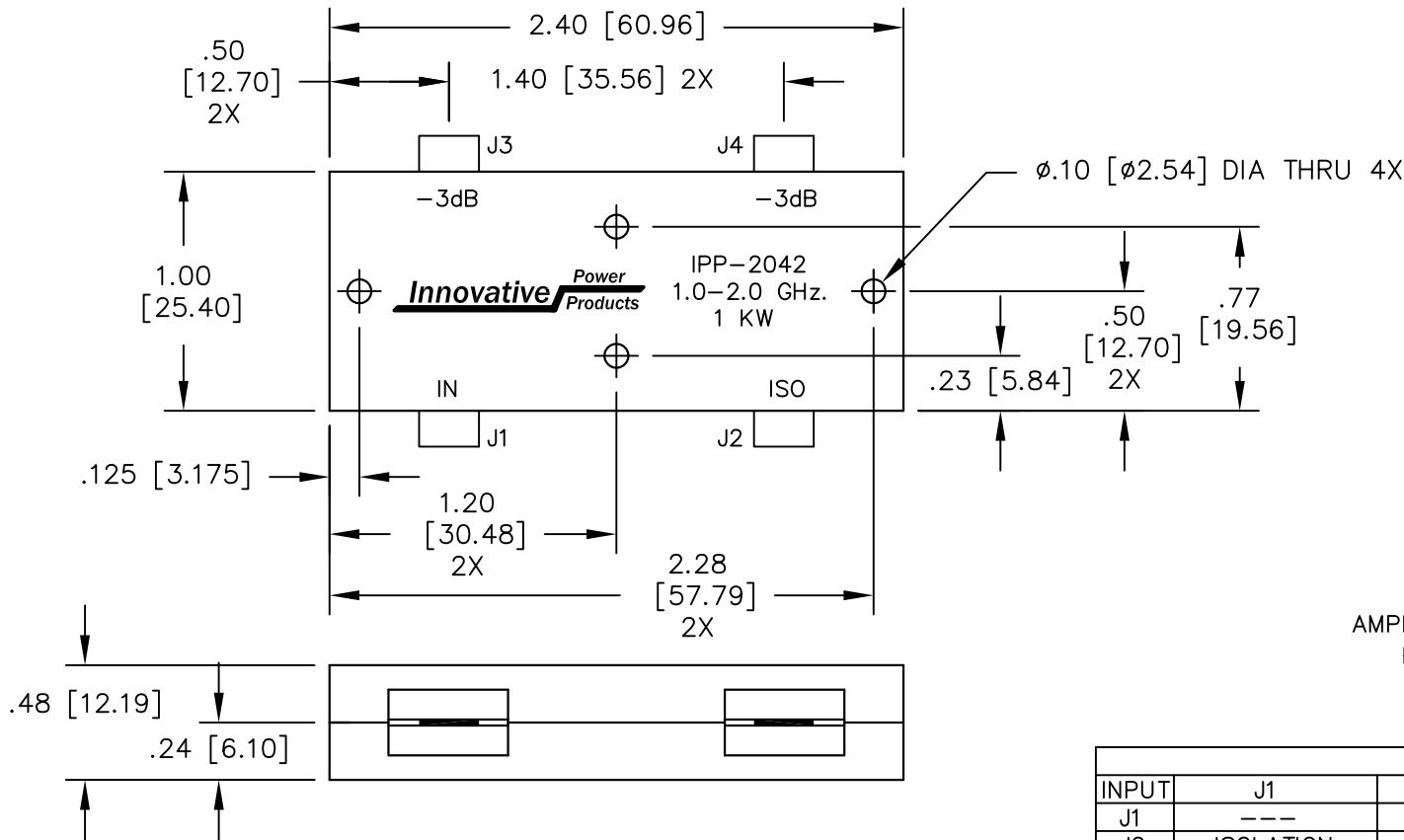


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

DAR	REV	DESCRIPTION	APPVD	DATE
1135	A	INITIAL RELEASE	TJD	6-06
4556	B	SEE DAR	DG	9-13
6233	C	SEE DAR	DG	6-16



**ELECTRICAL SPECIFICATIONS**

FREQUENCY:	1.0 - 2.0 GHz.
INSERTION LOSS:	< 0.20 dB
VSWR:	< 1.25:1
ISOLATION:	> 18 dB
AMPLITUDE BALANCE:	$\pm$ 0.5 dB
PHASE BALANCE:	$\pm$ 5°
POWER:	1 KW
TEMPERATURE:	-55°C TO 85°C

**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:**

- LEAD MATERIAL: 99.99% PURE SILVER  
.25 [6.35] WIDE X .15 [3.81] MIN.  
LONG X .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-1074. TEST FIXTURE CONFIGURATION/FOOTPRINT AVAILABLE ON REQUEST.

MATERIAL	DWN DG	DATE 6-06	<b>Innovative Power Products</b>					
AL. ALLOY, 6061-T6	ENG TJD	DATE 6-06						
FINISH CHEM FILM CLEAR PER MIL-DTL-5541, TYPE 2, REV F, CLASS 3 ROHS COMPLIANT	MANUF TP	DATE 6-06						
TOLERANCE .xx $\pm$ .02 [.50] IN [MM] .xxx $\pm$ .005 [.127] ANG. $\pm$ 1/2°	CAGE CODE: 437R2							
SHEET OF 1 1			SCALE 2:1	TITLE OUTLINE 1.0 - 2.0 GHz., 1 KW, 90° COUPLER	SIZE B	P/N	IPP-2042	REV. C