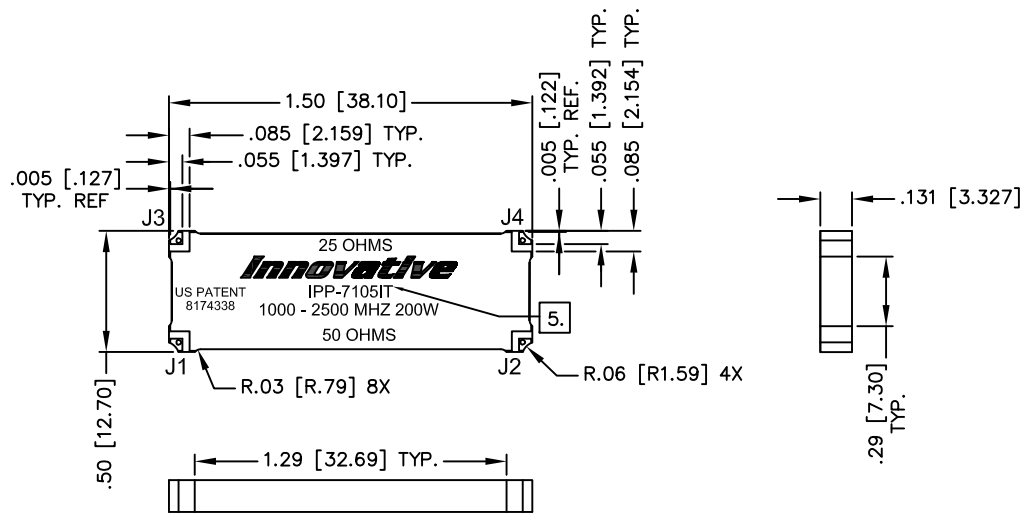


UNAUTHORIZED USE OF THIS
DRAWING IS STRICTLY PROHIBITED

DAR	REV	DESCRIPTION	APPVD	DATE
3714	A	INITIAL RELEASE	DG	6-12
4752	B	SEE DAR	DG	1-14
8634	C	SEE DAR	DG	5-21



- NOTES:**
1. PATENTED DESIGN: US PATENT #8174338.
 2. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
 3. PARTS WITH RoHS MATTE TIN AND RoHS NICKEL GOLD FINISHES ARE RoHS COMPLIANT.
 4. AVAILABLE IN TAPE AND REEL. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
 5. SEE CHART FOR PART NUMBER AND FINISH.
 6. DATA AND SPECIFICATIONS APPLY WHEN PART IS MOUNTED IN IPP TEST FIXTURE TF-1185. TEST FIXTURE CONFIGURATION/FOOTPRINT AVAILABLE UPON REQUEST.

FINISH	
P/N	TYPE
IPP-7105IT	TIN/LEAD
IPP-7105ITRT	RoHS MATTE TIN
IPP-7105ITRG	RoHS NICKEL GOLD

ELECTRICAL SPECIFICATIONS

- FREQUENCY: 1000 - 2500 MHz.
 INSERTION LOSS: < 0.50 dB
 VSWR: < 1.30:1
 ISOLATION: > 14 dB
 AMPLITUDE BALANCE: ±0.90 dB
 PHASE BALANCE: ±5°
 POWER: 200 WATT
 IN, ISO: 50 OHMS
 -3dB: 25 OHMS
 TEMP: -55 TO 85°C

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

MATERIAL	DWN S.Cornell	DATE	6-7-12	Innovative <i>Power</i> Products									
FINISH	SEE CHART	ENG	DG		DATE	6-12							
TOLERANCE	.xx ±.02 [.50] .xxx ±.005 [.127] ANG. ±1/2'	MANUF		DATE		TITLE	OUTLINE, IT90, IMPEDANCE TRANSFORMING, 90° COUPLER, 1000 - 2500 MHz. 200W						
		CAGE CODE:	437R2	SHEET	OF	SCALE	2:1	SIZE	B	P/N	IPP-7105IT*	REV.	C