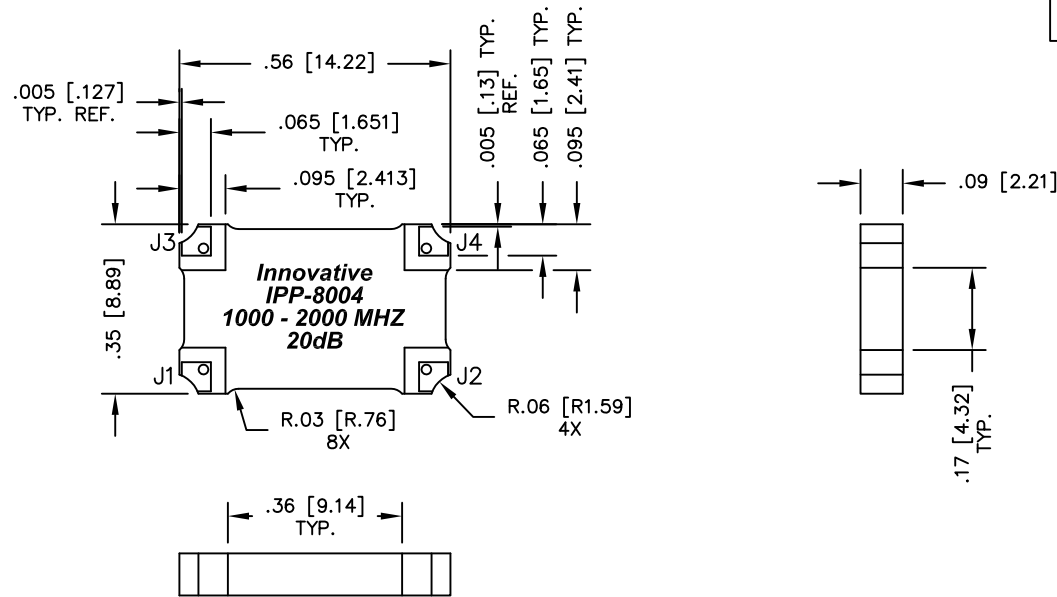


UNAUTHORIZED USE OF THIS  
DRAWING IS STRICTLY PROHIBITED

DAR	REV	DESCRIPTION	APPVD	DATE
1883	1	PRE-RELEASE	DG	5-09

**PRELIMINARY**  
DIMENSIONS AND SPECIFICATIONS  
ARE SUBJECT TO CHANGE UNTIL  
INITIAL RELEASE OF DRAWING.



FINISH	
P/N	TYPE
IPP-8004	TIN/LEAD
IPP-8004RT	RoHS MATTE TIN
IPP-8004RG	RoHS NICKEL GOLD

- NOTES:**
- SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
  - PARTS WITH RoHS MATT TIN AND RoHS NICKEL GOLD FINISHES ARE RoHS COMPLIANT.
  - AVAILABLE IN TAPE AND REEL. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.

**ELECTRICAL SPECIFICATIONS**

FREQUENCY:	1000 - 2000 MHz.
INSERTION LOSS:	<0.20 dB
VSWR:	<1.28:1
COUPLING:	20dB ±1.00 dB
DIRECTIVITY:	>20 dB
COUPLED FLATNESS:	±1.2 dB
POWER:	200 WATT
TEMPERATURE:	-55°C TO 85°C

PORT CONFIGURATION			
INPUT	OUTPUT	FORWARD COUPLED	REFLECTED COUPLED
J1	J2	J3	J4 ADD 50Ω TERMINATION
J1	J2	J3 ADD 50Ω TERMINATION	J4
J2	J1	J4	J3 ADD 50Ω TERMINATION
J2	J1	J4 ADD 50Ω TERMINATION	J3

MATERIAL	DWN S.Cornell	DATE 5-29-09	<b>Innovative Power Products</b>	
FINISH	ENG TJD	DATE 5-29-09		
SEE FINISH CHART	MANUF RR	DATE 5-29-09	TITLE OUTLINE, SMD COUPLER	
TOLERANCE	CAGE CODE: 437R2		SINGLE DIRECTIONAL, 1000 - 2000 MHz. 200W	
IN [MM]	SHEET 1	OF 1	SCALE 4:1	SIZE B
.XX ±.02 [.50]			P/N	IPP-8004*
.XXX ±.010 [.254]			REV.	1
ANG. ±1/2°				