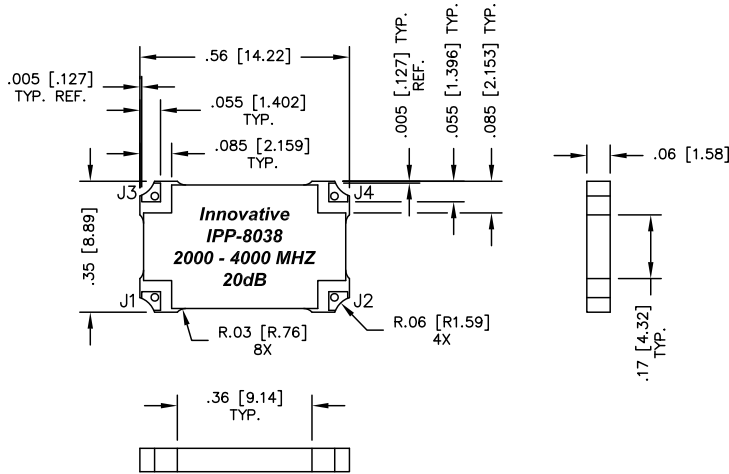


UNAUTHORIZED USE OF THIS DRAWING IS STRICTLY PROHIBITED

DAR	REV	DESCRIPTION	APPVD	DATE
2556	1	PRE-RELEASE	DG	6-10

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



- NOTES:**
1. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
 2. PARTS WITH RoHS MATT TIN AND RoHS NICKEL GOLD FINISHES ARE RoHS COMPLIANT.
 3. AVAILABLE IN TAPE AND REEL. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
 4. RECOMMENDED FOR USE WITH ROGERS DUROID 5880 PC BOARDS, .015 THICK.

ELECTRICAL SPECIFICATIONS

FREQUENCY:	2000 - 4000 MHz.
INSERTION LOSS:	<0.25 dB
VSWR:	<1.30:1
COUPLING:	20dB ±1.0 dB
DIRECTIVITY:	>20 dB
COUPLED FLATNESS:	±0.9 dB
POWER:	100 WATT
TEMPERATURE:	-55°C TO 85°C

FINISH	
P/N	TYPE
IPP-8038	TIN/LEAD
IPP-8038RT	RoHS MATTE TIN
IPP-8038RG	RoHS NICKEL GOLD

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 6-24-10	Innovative Power Products		
FINISH SEE FINISH CHART	ENG DG	DATE 6-10			
TOLERANCE .xx ±.02 [.50] IN [MM] .xxx ±.010 [.254] ANG. ±1/2°	MANUF	DATE	TITLE OUTLINE, SMD COUPLER BIDIRECTIONAL, 2000 - 4000 MHZ. 100W		
	CAGE CODE: 437R2		SIZE B	P/N IPP-8038*	REV. 1
	SHEET 1 OF 1	SCALE 4:1			