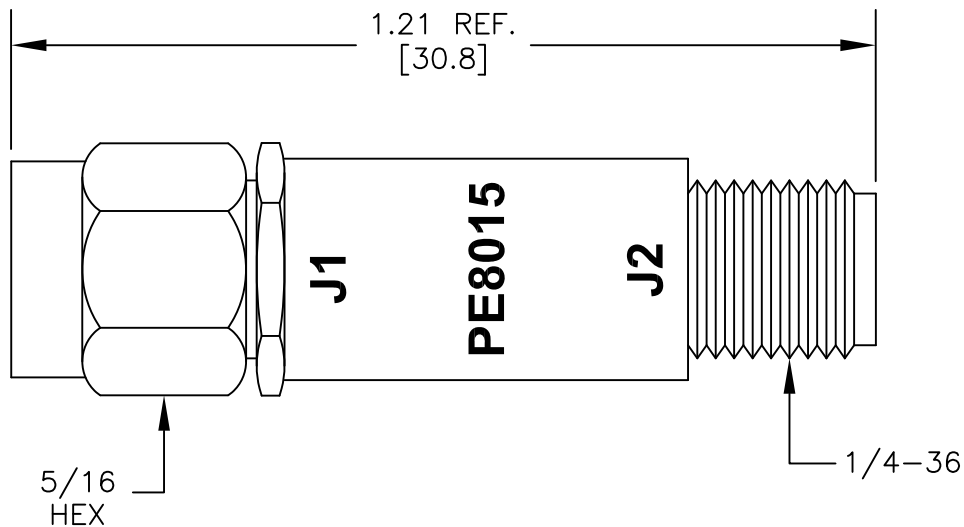


### MATERIALS

<b>BODY</b>	<b>PASSIVATED STAINLESS STEEL</b>
<b>CONTACT</b>	<b>GOLD PLATED</b>
<b>INSULATOR</b>	<b>PTFE</b>



### SPECIFICATIONS

SMA MALE INPUT / SMA FEMALE OUTPUT	
NOMINAL IMPEDANCE	50 OHMS
FREQUENCY RANGE	2.0-4.0 GHz
VOLTAGE SENSITIVITY	500 mV/mW MINIMUM
FLATNESS	±0.20 dB MAXIMUM
UNITS ARE MATCHED FOR VSWR	
NEGATIVE OUTPUT POLARITY IS STANDARD	
NO BIAS REQUIRED	
MAXIMUM RF INPUT POWER	+23 dBm
VSWR	1.20:1 TYPICAL
VIDEO CAPACITANCE	20 pF
OPERATING TEMPERATURE RANGE	0°C TO + 90°C
STORAGE TEMPERATURE RANGE	-65° TO +150°C
SPECIFICATION @ +25°C, INPUT POWER AT -20dBm	



**PASTERNAK ENTERPRISES, INC.**  
 P.O BOX 16759, IRVINE, CA 92623  
 PHONE (949) 261-1920 FAX (949) 261-7451  
 WEB ADDRESS: [www.pasternack.com](http://www.pasternack.com)  
 E-MAIL ADDRESS: [sales@pasternack.com](mailto:sales@pasternack.com)  
**COAXIAL & FIBER OPTICS**

DWG TITLE		DES.			
<b>PE8015</b>		SMA ZERO BIAS SCHOTTKY DIODE DETECTOR FREQUENCY RANGE: 2.0-4.0 GHz			
REV. C	<b>FSCM NO. 53919</b>	CAD FILE 060812	SCALE N/A	SIZE A	2233

- NOTES:**  
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].