

### ABSOLUTE MAXIMUM RATINGS<sup>a</sup>

Forward Current:	(PAD ..... 50 mA (JPAD/SSTPAD) ..... 10 mA
Total Device Dissipation:	(PAD) <sup>b</sup> ..... 300 mW (JPAD/SSTPAD) <sup>b</sup> ..... 350 mW
Operation Junction Temp:	(PAD) ..... -55 to 175°C (JPAD/SSTPAD) <sup>c</sup> ..... -55 to 150°C
Lead Temperature ( <sup>1</sup> / <sub>16</sub> " from case for 10 sec.)	..... 300°C

#### Notes:

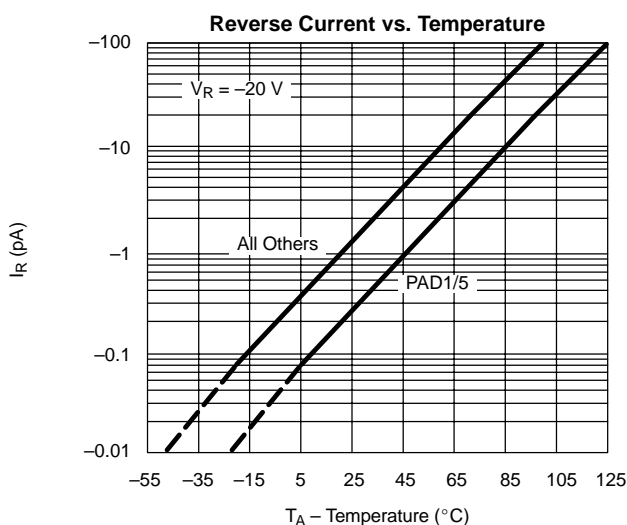
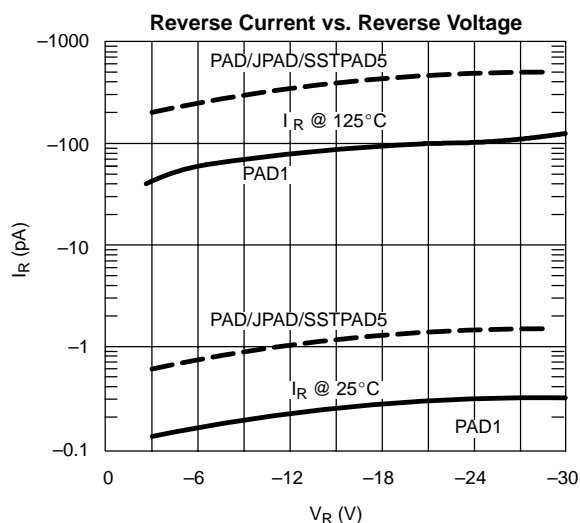
- $T_A = 25^\circ\text{C}$  unless otherwise noted.
- Derate 2 mW/ $^\circ\text{C}$  above  $25^\circ\text{C}$ .
- Derate 2.8 mW/ $^\circ\text{C}$  above  $25^\circ\text{C}$ .

SPECIFICATIONS SPECIFICATIONS (T <sub>A</sub> = 25 °C UNLESS OTHERWISE NOTED)							
Parameter	Symbol	Test Conditions	Limits			Unit	
			Min	Typ <sup>a</sup>	Max		
Static							
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = −20 V	PAD1		−0.3	−1	pA
			PAD5/JPAD5/SSTPAD5		−1	−5	
			PAD50/JPAD50		−5	−50	
			SSTPAD100		−10	−100	
Reverse Breakdown Voltage	BV <sub>R</sub>	I <sub>R</sub> = −1 μA	PAD1/PAD5	−45	−60		V
			SSTPAD5/100	−30	−55		
			All Others	−35	−55		
Forward Voltage Drop	V <sub>F</sub>	I <sub>F</sub> = 1 mA			0.8	1.5	
Dynamic							
Reverse Capacitance	C <sub>R</sub>	V <sub>R</sub> = −5V, f = 1 MHz	PAD1/PAD5		0.5	0.8	pF
			All Others		1.5	2	

#### Notes:

- Typical values are for DESIGN AID ONLY, not guaranteed nor subject to production testing.

### TYPICAL CHARACTERISTICS ( $T_A = 25^\circ\text{C}$ UNLESS OTHERWISE NOTED)





### Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.