



<b>ELECTRICAL CHARACTERISTICS</b> ( $T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)								
PARAMETER	TEST CONDITIONS		SYMBOL	1N5059GP	1N5060GP	1N5061GP	1N5062GP	UNIT
Max. instantaneous forward voltage	1.0 A	$T_A = 75\text{ }^\circ\text{C}$	$V_F^{(1)}$	1.2				V
Maximum DC reverse current at rated DC blocking voltage		$T_A = 25\text{ }^\circ\text{C}$	$I_R^{(1)}$	5.0				$\mu\text{A}$
		$T_A = 175\text{ }^\circ\text{C}$		300				
Typical reverse recovery time	$I_F = 0.5\text{ A}, I_R = 1.0\text{ A}, I_{rr} = 0.25\text{ A}$		$t_{rr}$	2.0				$\mu\text{s}$
Typical junction capacitance	4.0 V, 1 MHz		$C_J$	15				pF

**Note**

(1) JEDEC registered values

<b>THERMAL CHARACTERISTICS</b> ( $T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)								
PARAMETER			SYMBOL	1N5059GP	1N5060GP	1N5061GP	1N5062GP	UNIT
Typical thermal resistance			$R_{\theta JA}^{(1)}$	45				$^\circ\text{C/W}$
			$R_{\theta JL}^{(1)}$	20				

**Note**

(1) Thermal resistance from junction to ambient at 0.375" (9.5 mm) lead length, P.C.B. mounted

<b>ORDERING INFORMATION</b> (Example)				
PREFERRED P/N	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
1N5061GP-E3/54	0.425	54	4000	13" diameter paper tape and reel
1N5061GP-E3/73	0.425	73	2000	Ammo pack packaging



## RATINGS AND CHARACTERISTICS CURVES (T<sub>A</sub> = 25 °C unless otherwise noted)

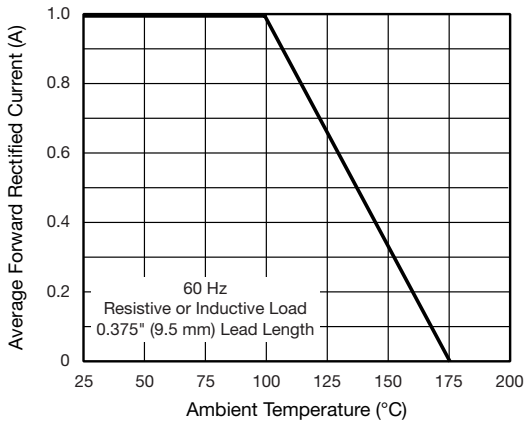


Fig. 1 - Forward Current Derating Curve

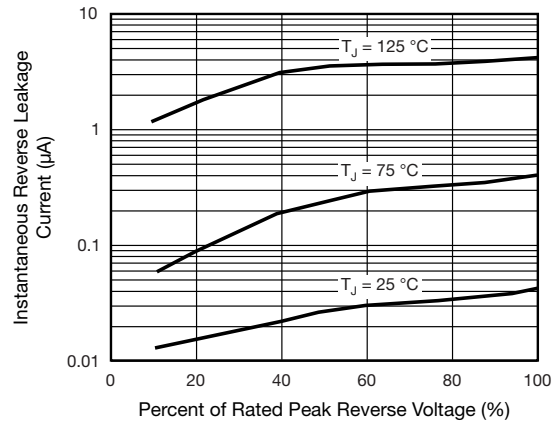


Fig. 4 - Typical Reverse Characteristics

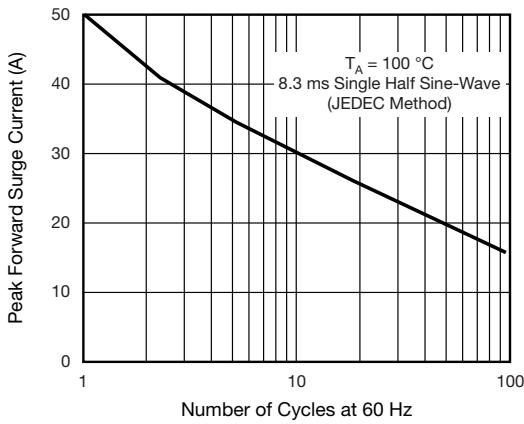


Fig. 2 - Maximum Non-repetitive Peak Forward Surge Current

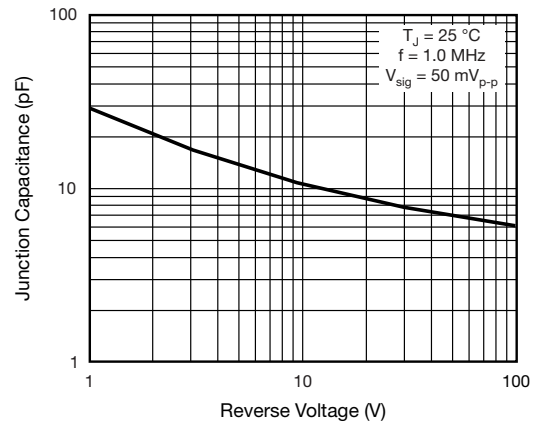


Fig. 5 - Typical Junction Capacitance

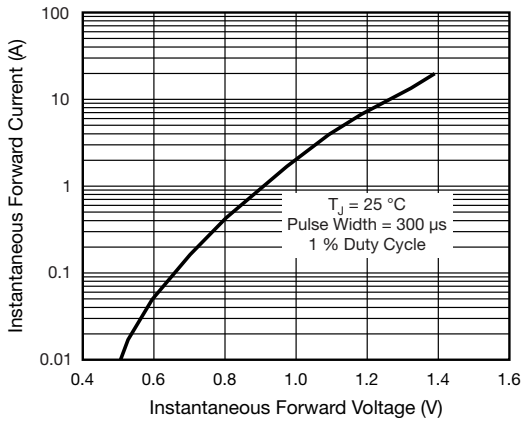


Fig. 3 - Typical Instantaneous Forward Characteristics

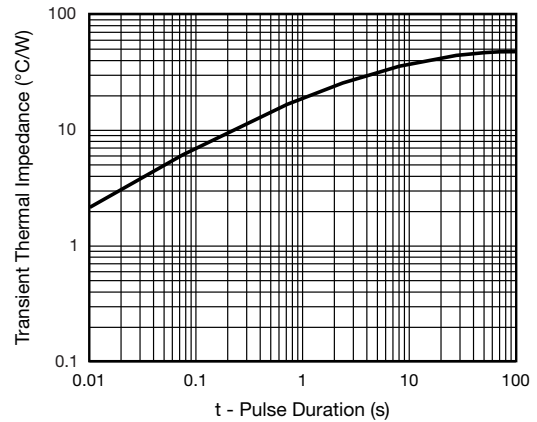
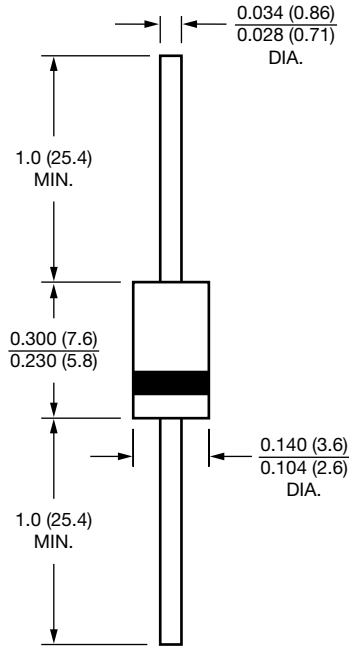


Fig. 6 - Typical Transient Thermal Impedance



## PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

### DO-15 (DO-204AC)





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