

**ELECTRICAL CHARACTERISTICS** ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)

PARAMETER	TEST CONDITIONS	SYMBOL	BYV26DGP	BYV26EGP	UNIT
Minimum avalanche breakdown voltage	100 μA	V_{BR}	900	1100	V
Maximum instantaneous forward voltage	1.0 A	V_F	$T_J = 25\text{ }^\circ\text{C}$		V
			$T_J = 175\text{ }^\circ\text{C}$		
Maximum DC reverse current at rated DC blocking voltage		I_R	$T_A = 25\text{ }^\circ\text{C}$		μA
			$T_A = 165\text{ }^\circ\text{C}$		
Max. reverse recovery time	$I_F = 0.5\text{ A}$, $I_R = 1.0\text{ A}$, $I_{rr} = 0.25\text{ A}$	t_{rr}	75		ns
Typical junction capacitance	4.0 V, 1 MHz	C_J	15		pF

THERMAL CHARACTERISTICS ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)

PARAMETER	SYMBOL	BYV26DGP	BYV26EGP	UNIT
Typical thermal resistance	$R_{\theta JA}^{(1)}$	70		$^\circ\text{C/W}$
	$R_{\theta JL}^{(2)}$	16		

Notes

- (1) Thermal resistance from junction to ambient at 0.375" (9.5 mm) lead length, mounted on PCB with 0.5" x 0.5" (12 mm x 12 mm) copper pads
(2) Thermal resistance from junction to lead at 0.375" (9.5 mm) lead length with both leads attached to heatsink

ORDERING INFORMATION (Example)

PREFERRED P/N	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE
BYV26EGP-E3/54	0.428	54	4000	13" diameter paper tape and reel
BYV26EGP-E3/73	0.428	73	2000	Ammo pack packaging

RATINGS AND CHARACTERISTICS CURVES ($T_A = 25\text{ }^\circ\text{C}$ unless otherwise noted)

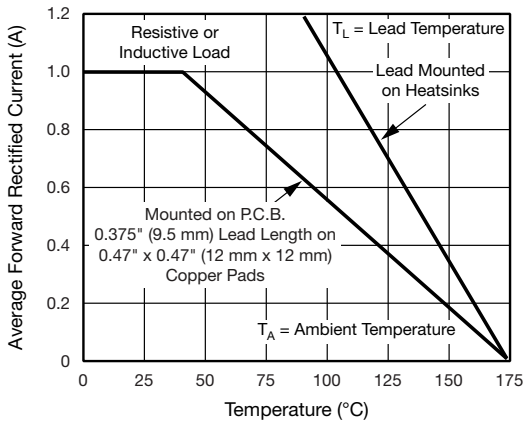


Fig. 1 - Maximum Forward Current Derating Curve

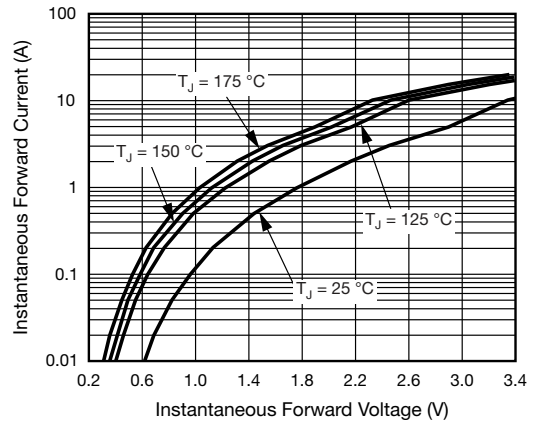


Fig. 4 - Typical Instantaneous Forward Voltage Characteristics

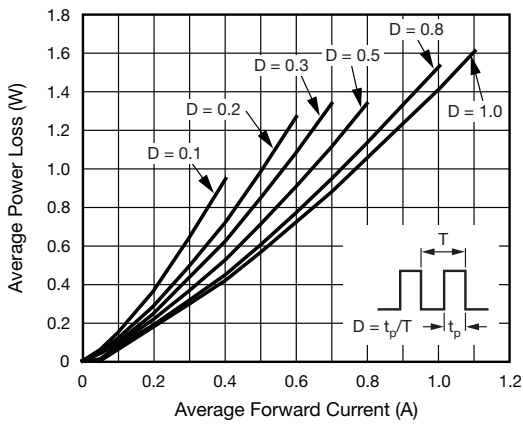


Fig. 2 - Forward Power Loss Characteristics

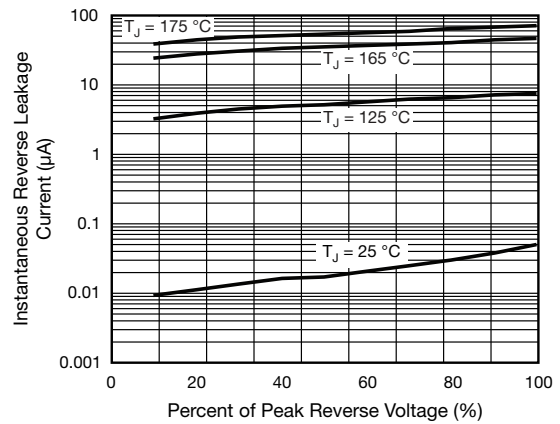


Fig. 5 - Typical Reverse Leakage Characteristics

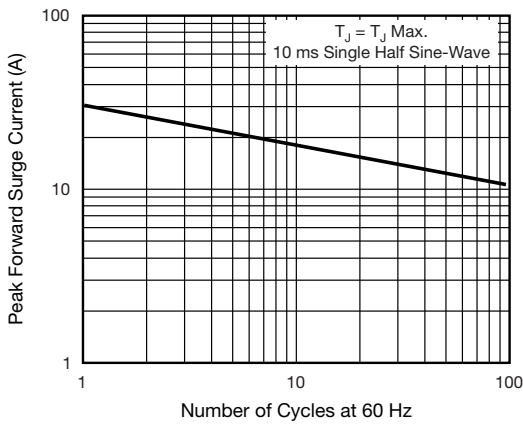


Fig. 3 - Maximum Non-Repetitive Peak Forward Surge Current

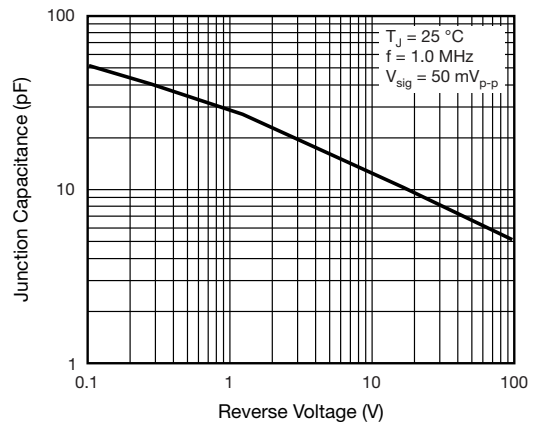


Fig. 6 - Typical Junction Capacitance

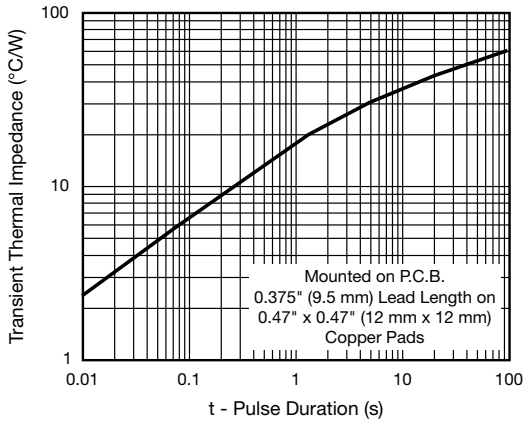
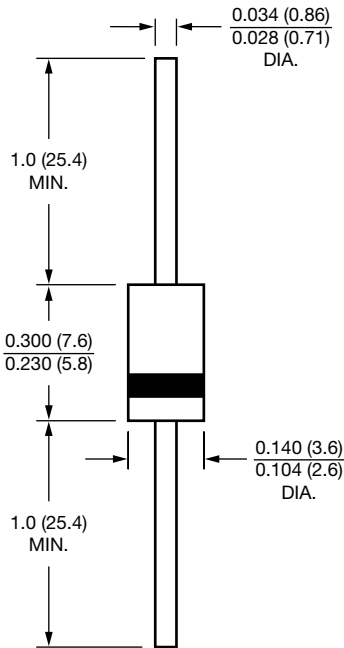


Fig. 7 - Typical Transient Thermal Impedance

PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

DO-15 (DO-204AC)





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