

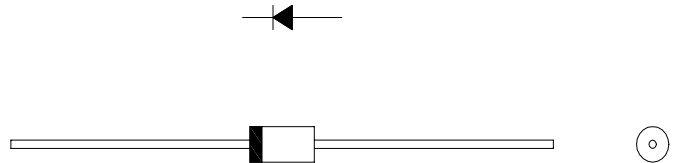
# DIODE Type : 20KDA60

2A 600V Tj =150 °C

OUTLINE DRAWING

## FEATURES

- \* Miniature Size
- \* Low Forward Voltage drop
- \* Low Reverse Leakage Current
- \* High Surge Capability
- \* 52mm Inside Tape Spacing Package Available



## Maximum Ratings

Approx Net Weight:0.38g

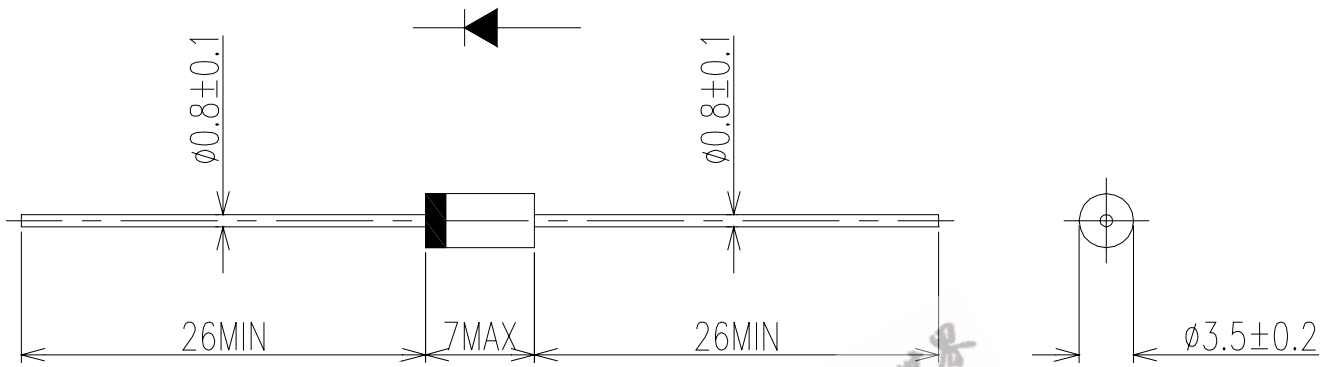
Rating	Symbol	20KDA60		Unit	
Repetitive Peak Reverse Voltage	$V_{RRM}$	600		V	
Average Rectified Output Current	$I_O$	50Hz Half Sine Wave Resistive Load	$T_a=34^{\circ}\text{C} *1$	1.7	A
			$T_l=115^{\circ}\text{C}$ (Tl: Lead Temperature)	2.0	
RMS Forward Current	$I_{F(RMS)}$			3.14	A
Surge Forward Current	$I_{FSM}$	50Hz Half Sine Wave, 1cycle, Non-repetitive		75	A
Operating Junction Temperature Range	$T_{jw}$	- 40 to + 150			$^{\circ}\text{C}$
Storage Temperature Range	$T_{stg}$	- 40 to + 150			$^{\circ}\text{C}$

## Electrical • Thermal Characteristics

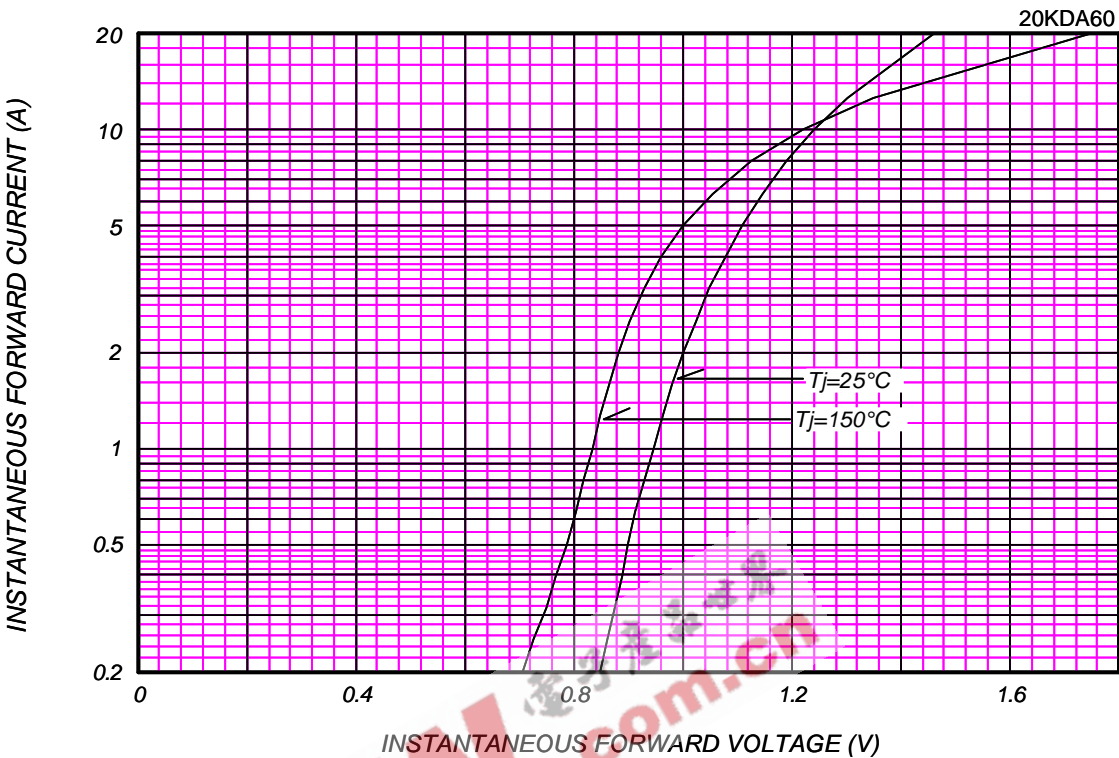
Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	$I_{RM}$	$T_j= 25^{\circ}\text{C}, V_{RM}= V_{RRM}$	-	-	10	$\mu\text{A}$
Peak Forward Voltage	$V_{FM}$	$T_j= 25^{\circ}\text{C}, I_{FM}= 2.0\text{A}$	-	-	1.0	V
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient *1	-	-	70	$^{\circ}\text{C}/\text{W}$
	$R_{th(j-l)}$	Junction to Lead	-	-	17	

\*1: Without Fin or P.C. Board mounted (L=8mm, Print Land=15 x 15mm, Both Sides)

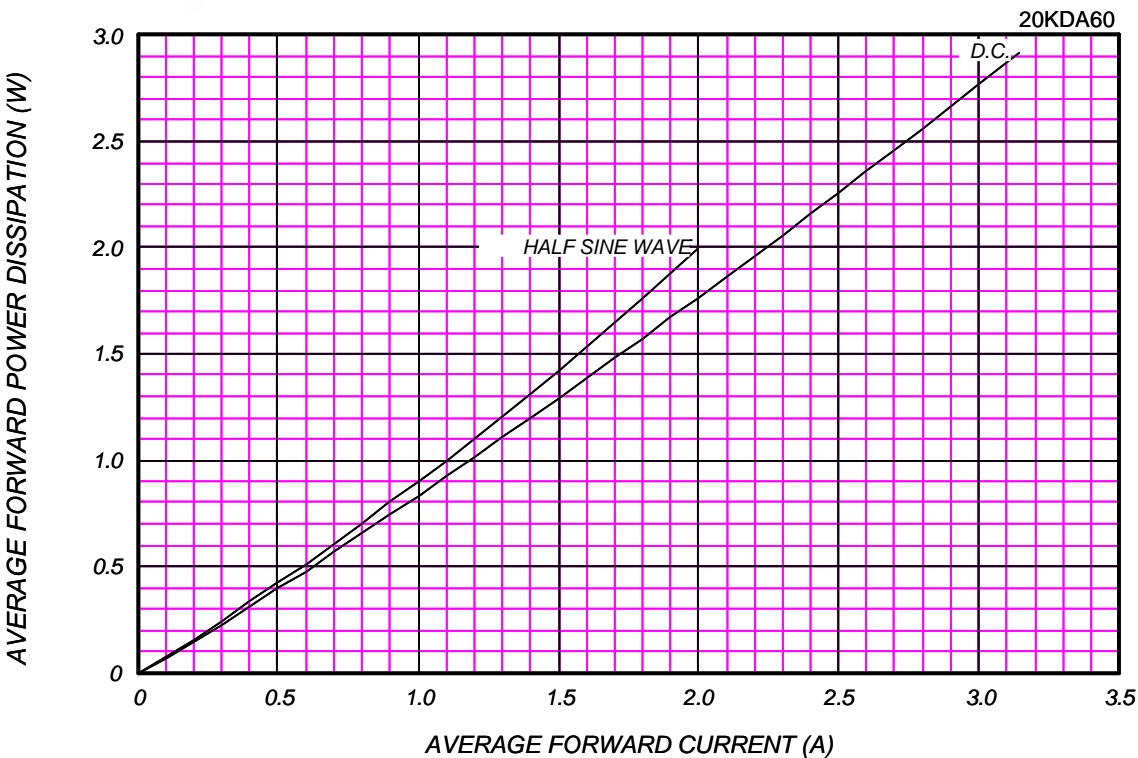
20KDA OUTLINE DRAWING (Dimensions in mm)



FORWARD CURRENT VS. VOLTAGE



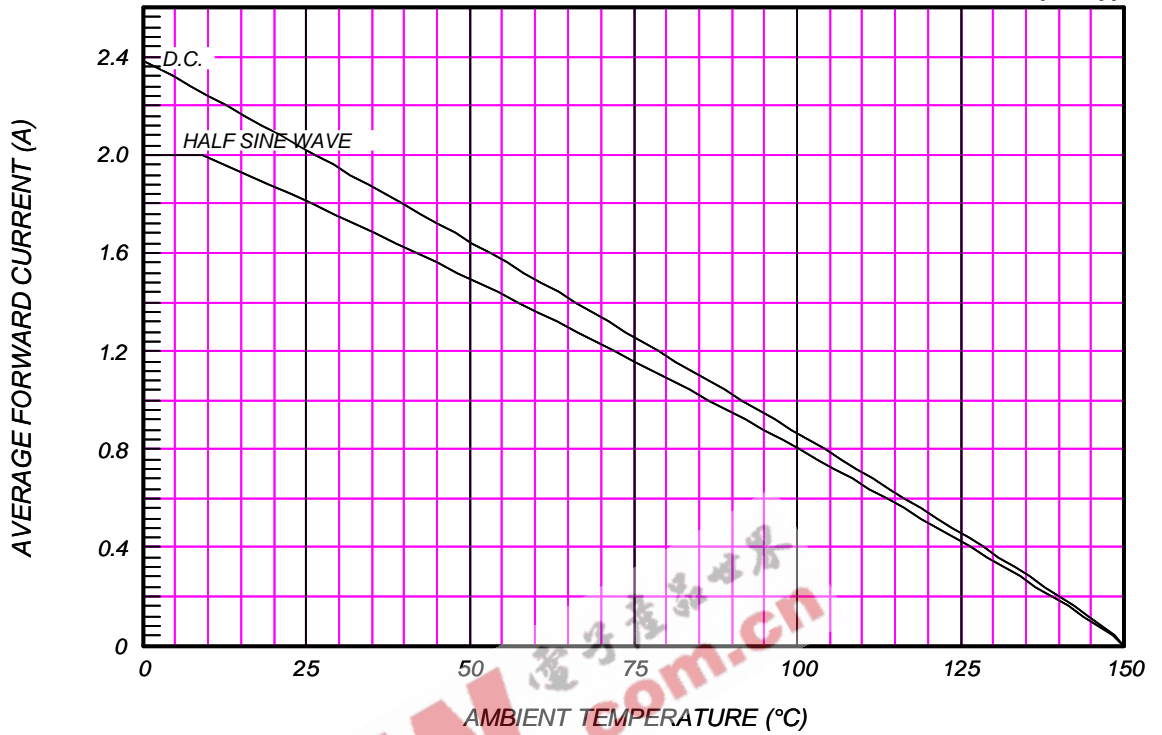
AVERAGE FORWARD POWER DISSIPATION



### AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

P.C. Board mounted (L=8mm,Print Land=15x15mm,Both Sides)

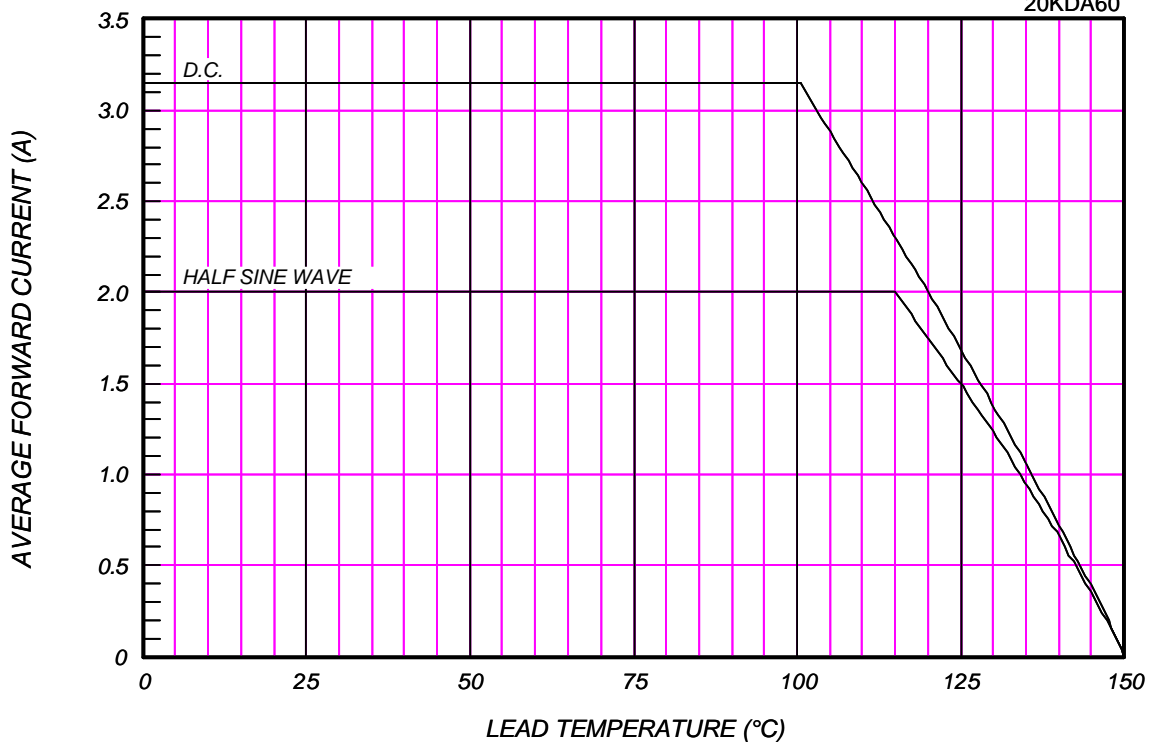
20KDA60



### AVERAGE FORWARD CURRENT VS. LEAD TEMPERATURE

( $R_{th(j-l)}=17C/W$ )

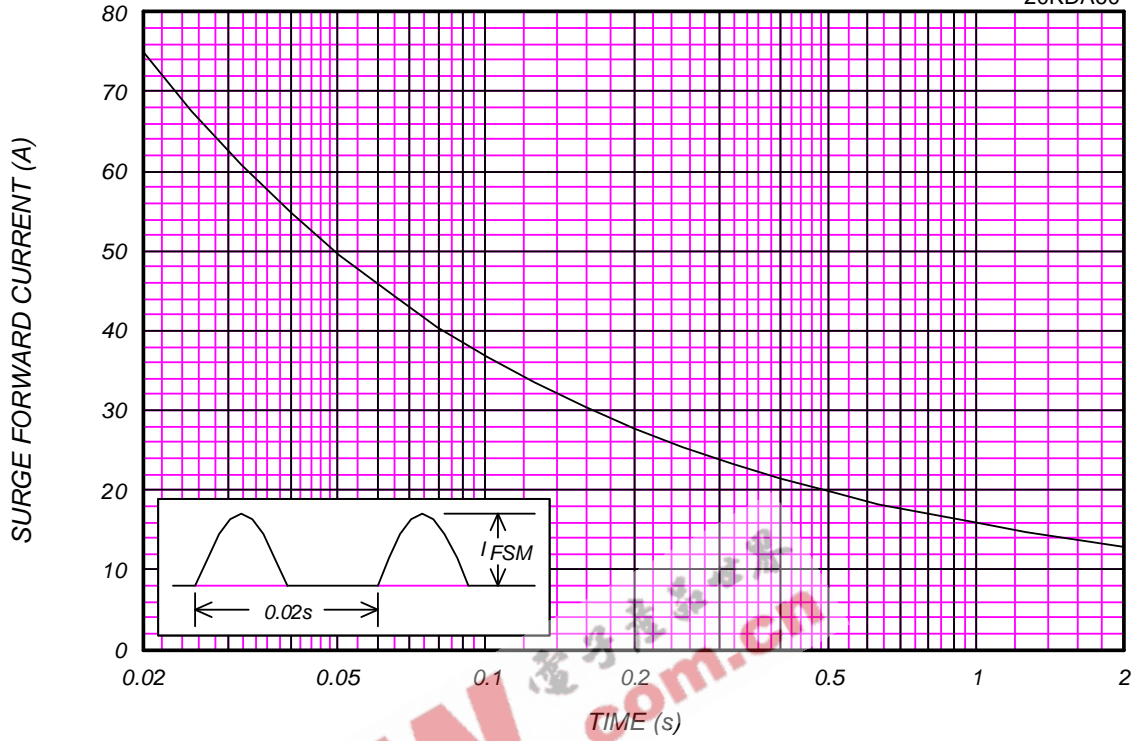
20KDA60



### SURGE CURRENT RATINGS

f=50Hz, Half Sine Wave, Non-Repetitive, No Load

20KDA60



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