

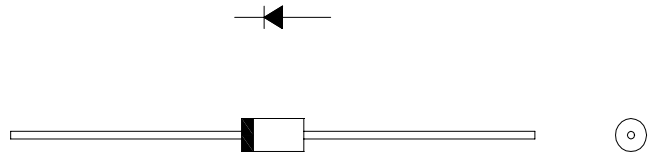
DIODE Type : 20KDA10

2A 100V 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

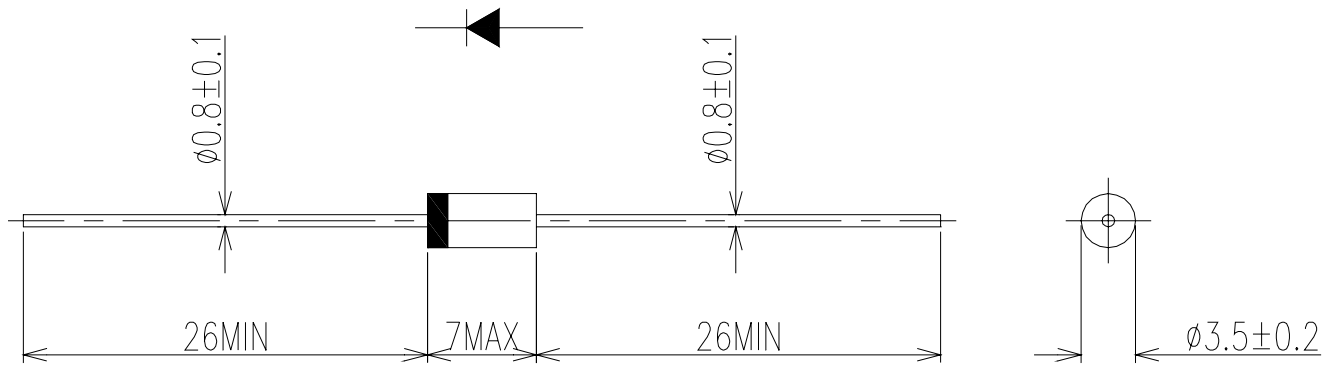
Rating	Symbol	20KDA10			Unit	
Repetitive Peak Reverse Voltage	V _{RRM}	100			V	
Average Rectified Output Current	I _O	50Hz Half Sine Wave Resistive Load	Ta=34℃ *1	1.7	A	
			Tl=115℃ (Tl: Lead Temperature)	2.0		
RMS Forward Current	I _{F(RMS)}				3.14	A
Surge Forward Current	I _{FSM}	50Hz Half Sine Wave,1cycle, Non-repetitive			75	A
Operating JunctionTemperature Range	T _{jw}	- 40 to + 150				℃
Storage Temperature Range	T _{stg}	- 40 to + 150				℃

Electrical • Thermal Characteristics

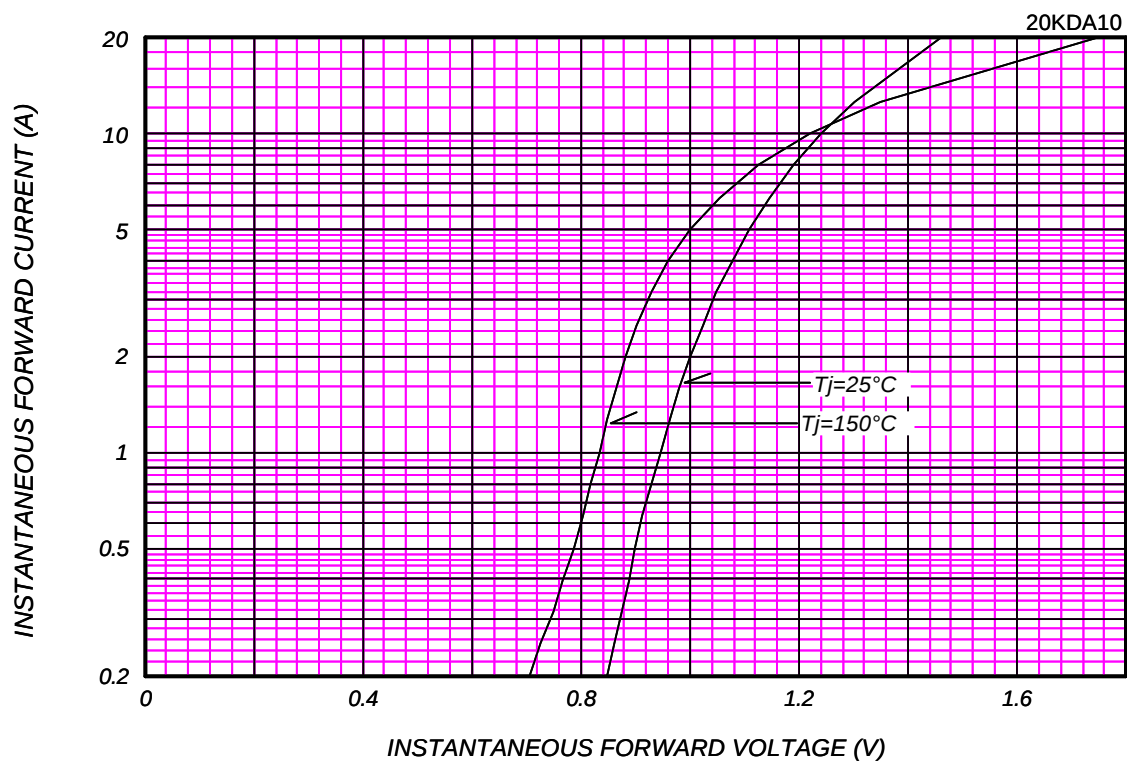
Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I_{RM}	$T_j= 25^{\circ}\text{C}, V_{RM}= V_{RRM}$	-	-	10	μA
Peak Forward Voltage	V_{FM}	$T_j= 25^{\circ}\text{C}, I_{FM}= 2.0\text{A}$	-	-	1.0	V
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient *1	-	-	70	°C/W
	$R_{th(j-l)}$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

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

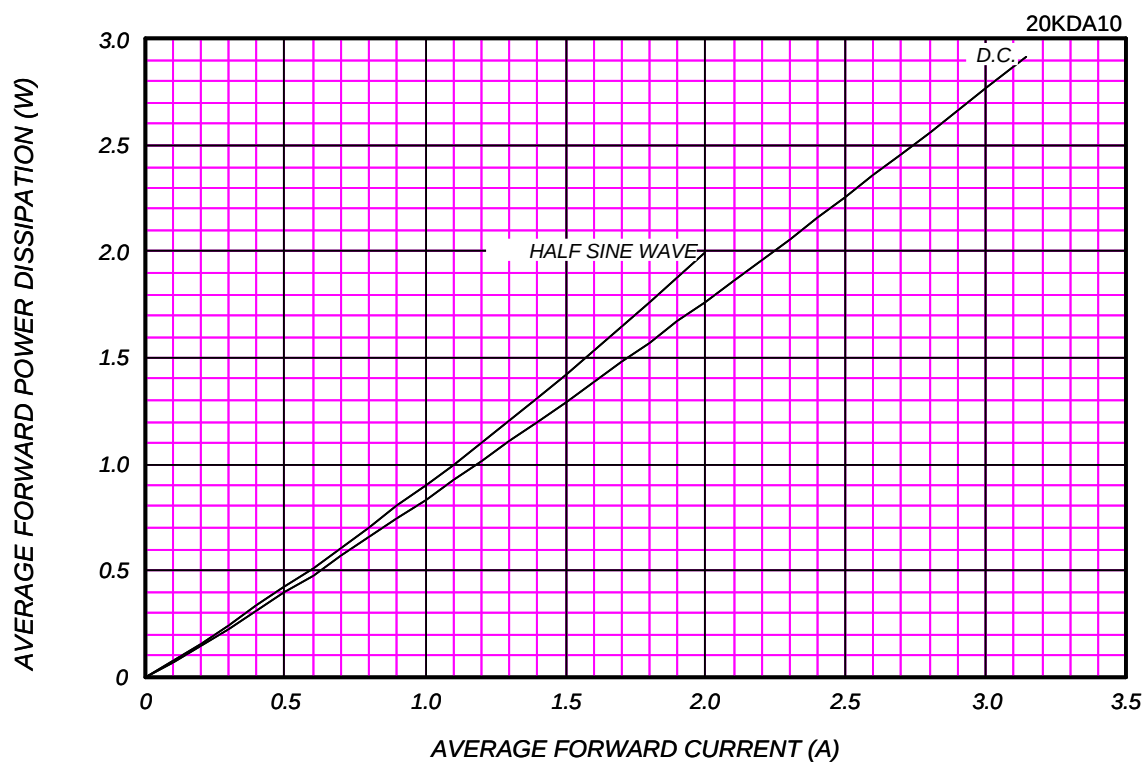
20KDA OUTLINE DRAWING (Dimensions in mm)



FORWARD CURRENT VS. VOLTAGE

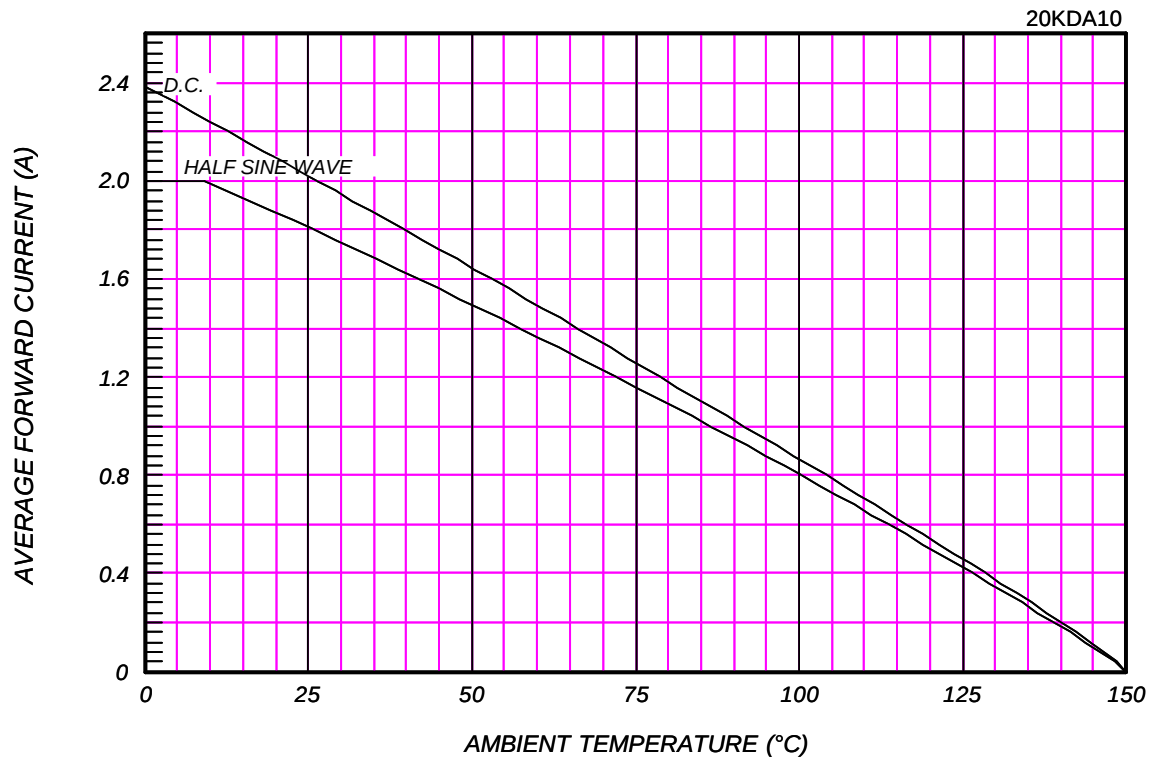


AVERAGE FORWARD POWER DISSIPATION



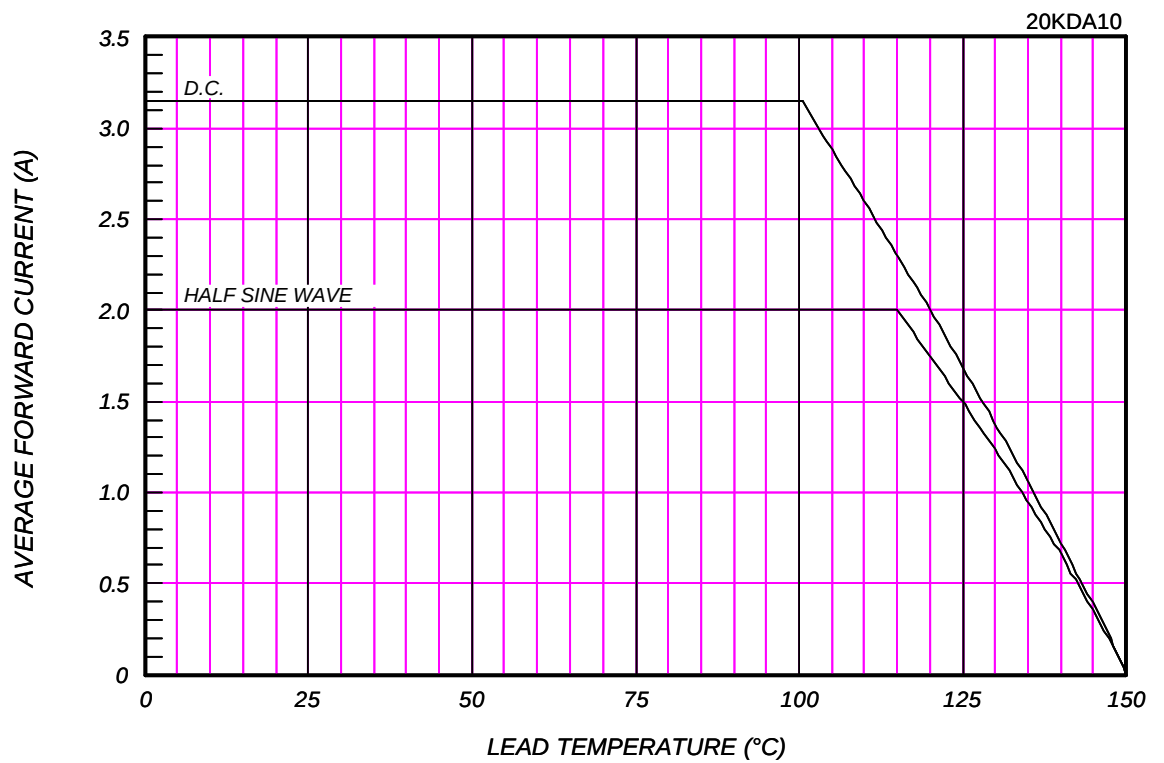
AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

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



AVERAGE FORWARD CURRENT VS. LEAD TEMPERATURE

($R_{th(j-l)}=17^{\circ}\text{C/W}$)



SURGE CURRENT RATINGS

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

20KDA10

