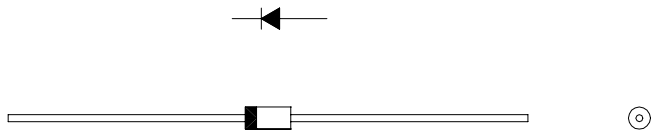
Nihon Inter Electronics Corporation

DIODE Type : 10DDA20

1A 200V 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:0.32g

Rating	Symbol	10DDA20			Unit
Repetitive Peak Reverse Voltage	V_{RRM}	200			V
Average Rectified Output Current	I_O	50Hz Half Sine Wave Resistive Load	Ta=58°C *1 Tl=132°C (Tl=Lead Temperature	1.0	A
RMS Forward Current	$I_{F(RMS)}$			1.57	A
Surge Forward Current	I_{FSM}	50Hz Half Sine Wave,1cycle, Non-repetitive		45	A
Operating JunctionTemperature Range	T_{jw}	- 40 to + 150			°C
Storage Temperature Range	T_{stg}	- 40 to + 150			°C

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I_{RM}	Tj= 25°C, V_{RM}= V_{RRM}	-	-	10	μA
Peak Forward Voltage	V_{FM}	Tj= 25°C, I_{FM}= 1.0A	-	-	1.0	V
Thermal Resistance	Rth(j-a)	Junction to Ambient *1	-	-	91	°C/W
	Rth(j-l)	Junction to Lead			17	

*1: Without Fin or P.C. Board mounted

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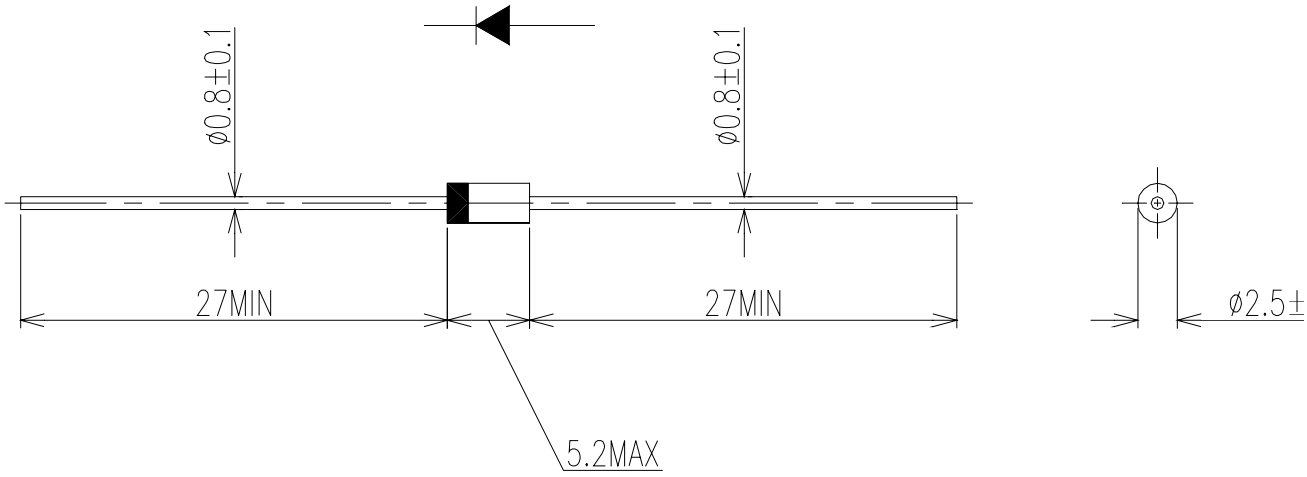
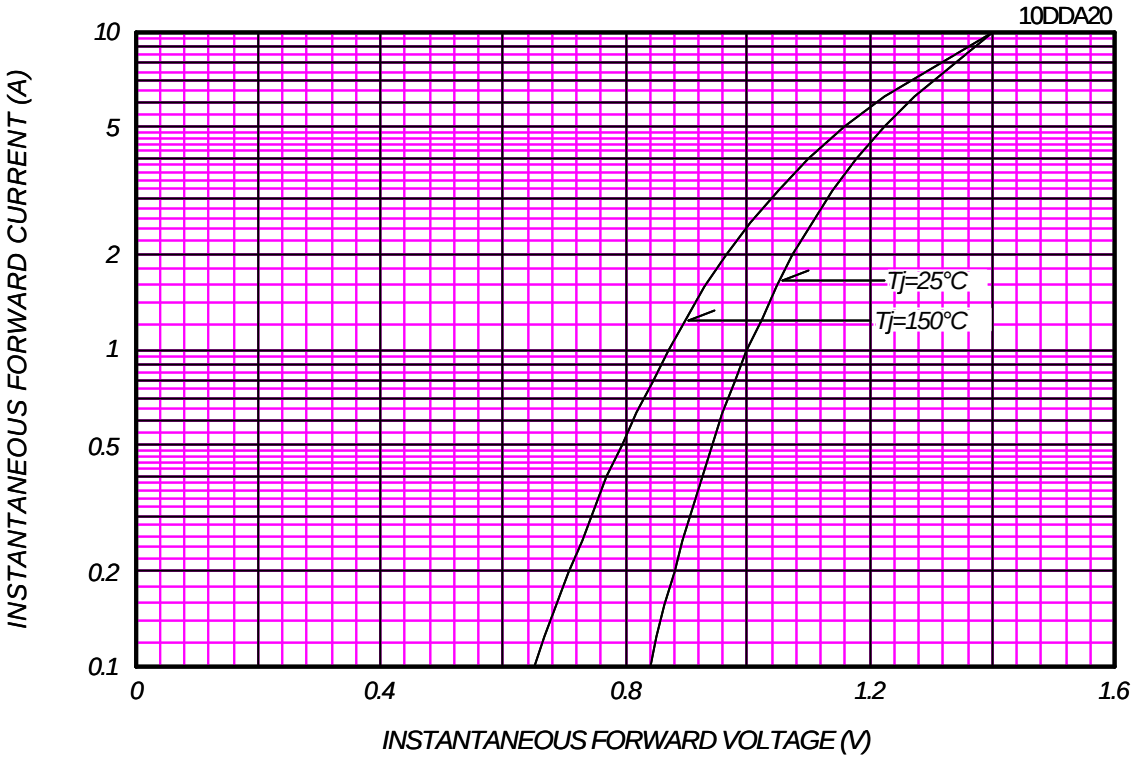
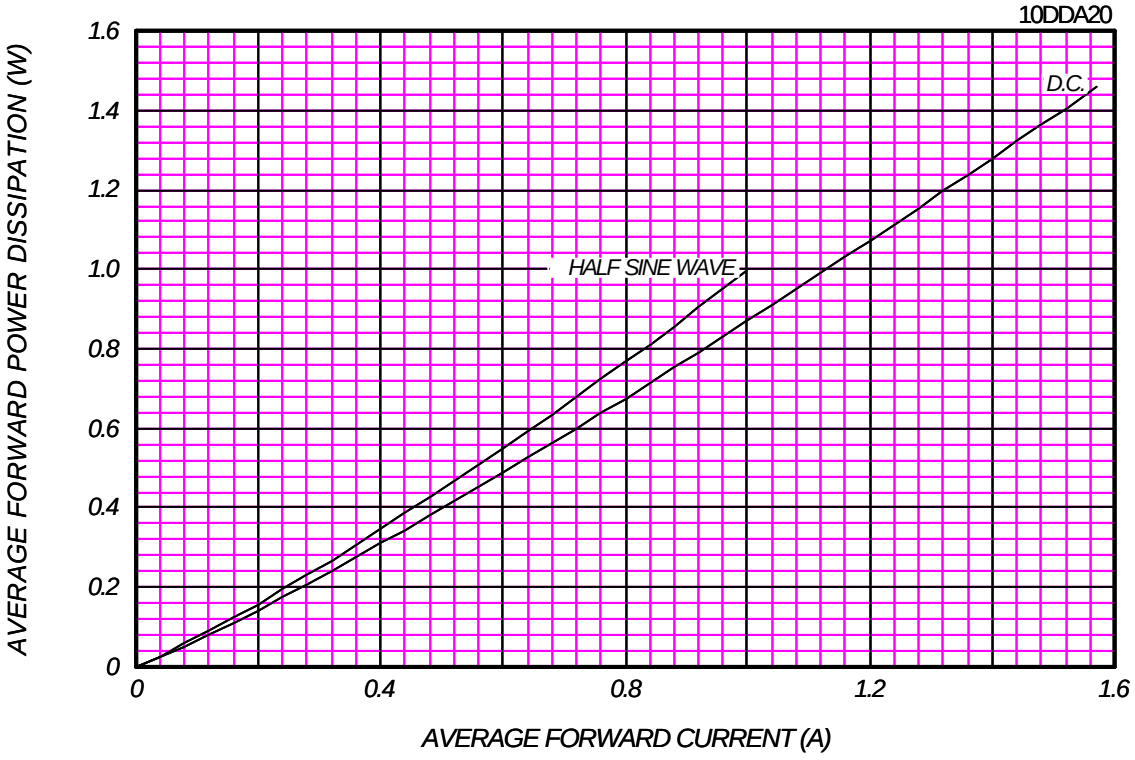
10DDA20 OUTLINE DRAWING (Dmensions in mm)



FORWARD CURRENT VS. VOLTAGE

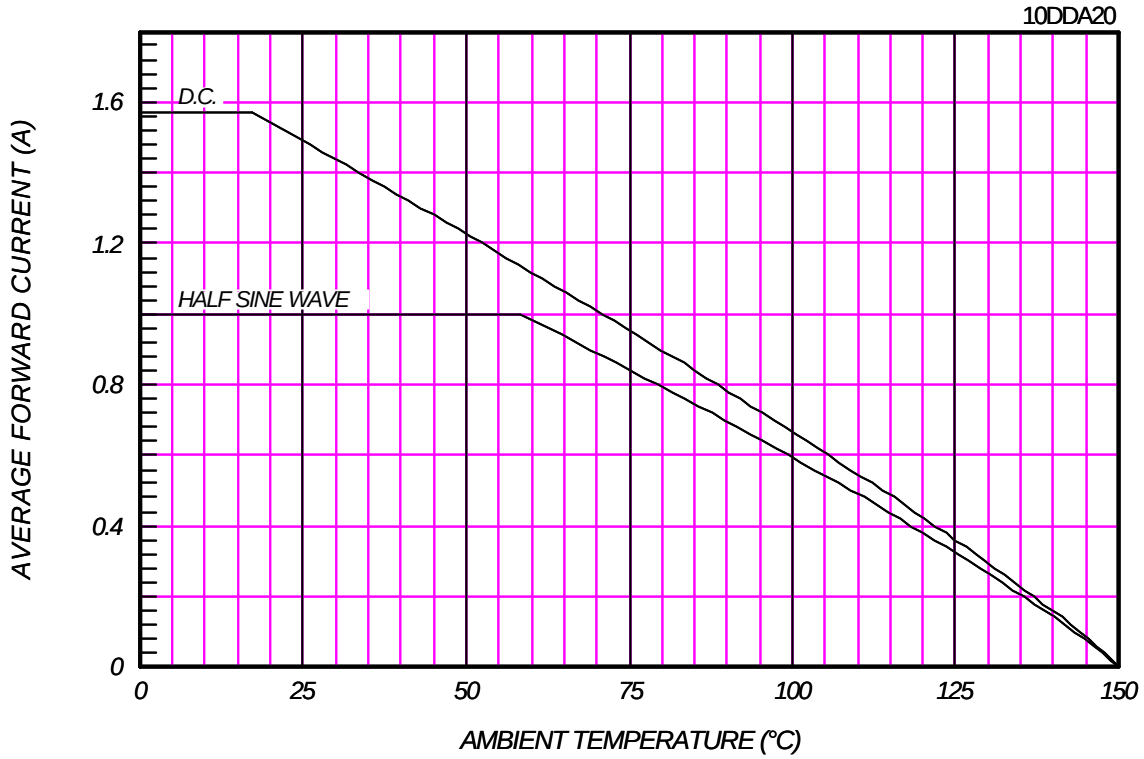


AVERAGE FORWARD POWER DISSIPATION

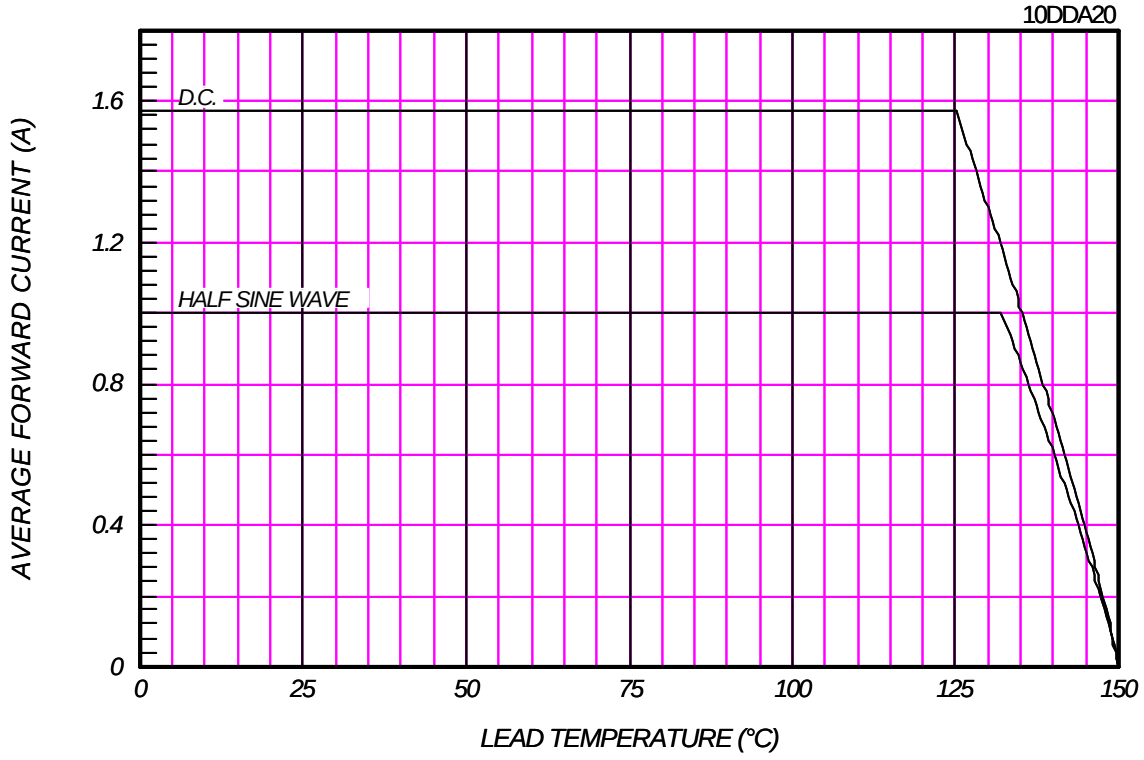


AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

AMBIENT/Without Fin or P.C. Board



AVERAGE FORWARD CURRENT VS. LEAD TEMPERATURE



SURGE CURRENT RATINGS

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