

DIODE Type : 10DDA40

1A 400V 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



⑨

Maximum Ratings

Approx Net Weight:0.32g

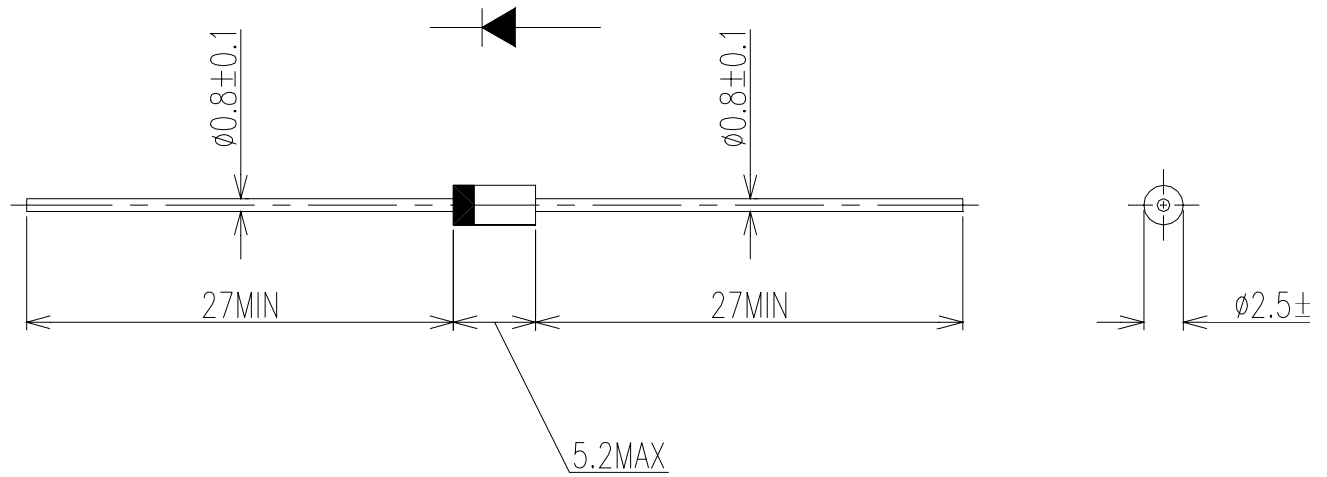
Rating	Symbol	10DDA40			Unit	
Repetitive Peak Reverse Voltage	V _{RRM}	400			V	
Average Rectified Output Current	I _O	50Hz Half Sine Wave Resistive Load	Ta=58°C *1	1.0	A	
			Tl=132°C (Tl=Lead Temperature)			
RMS Forward Current	I _{F(RMS)}				1.57	A
Surge Forward Current	I _{FSM}	50Hz Half Sine Wave,1cycle, 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

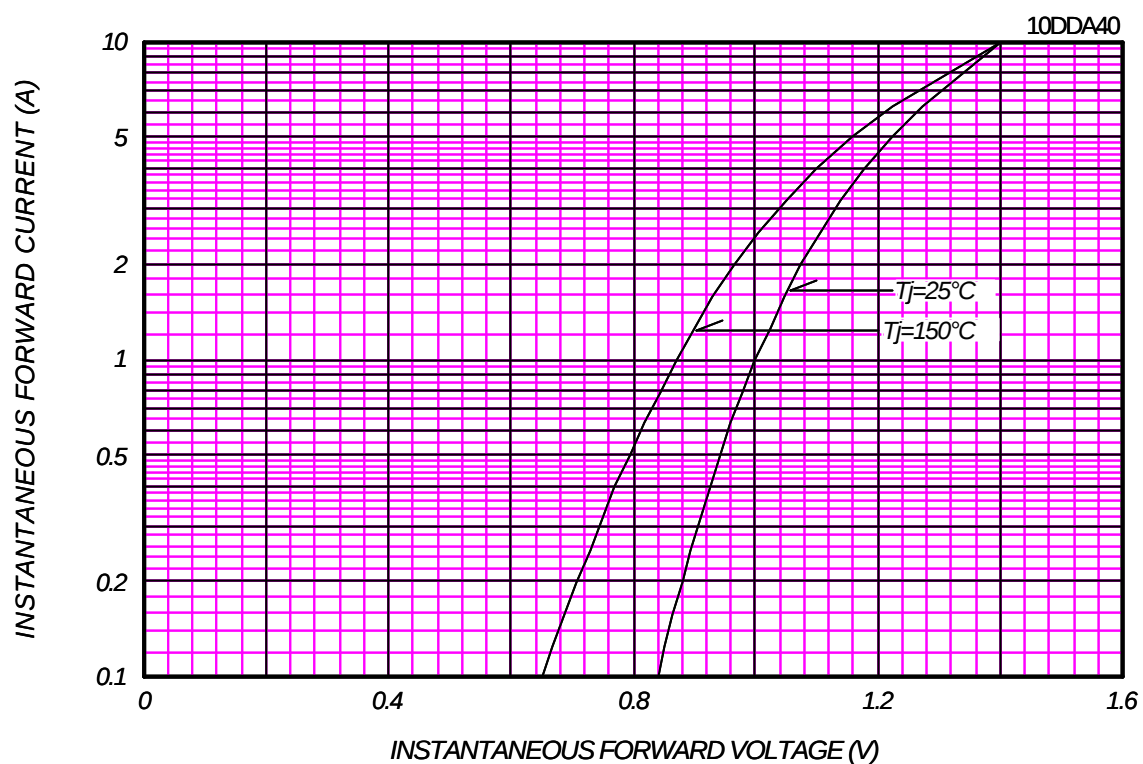
Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I_{RM}	Tj= 25°C, $V_{RM}= V_{RRM}$	-	-	10	μA
Peak Forward Voltage	V_{FM}	Tj= 25°C, $I_{FM}= 1.0A$	-	-	1.0	V
Thermal Resistance	Rth(j-a)	Junction to Ambient *1	-	-	91	°C/W
	Rth(j-l)	Junction to Lead	-	-	17	

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

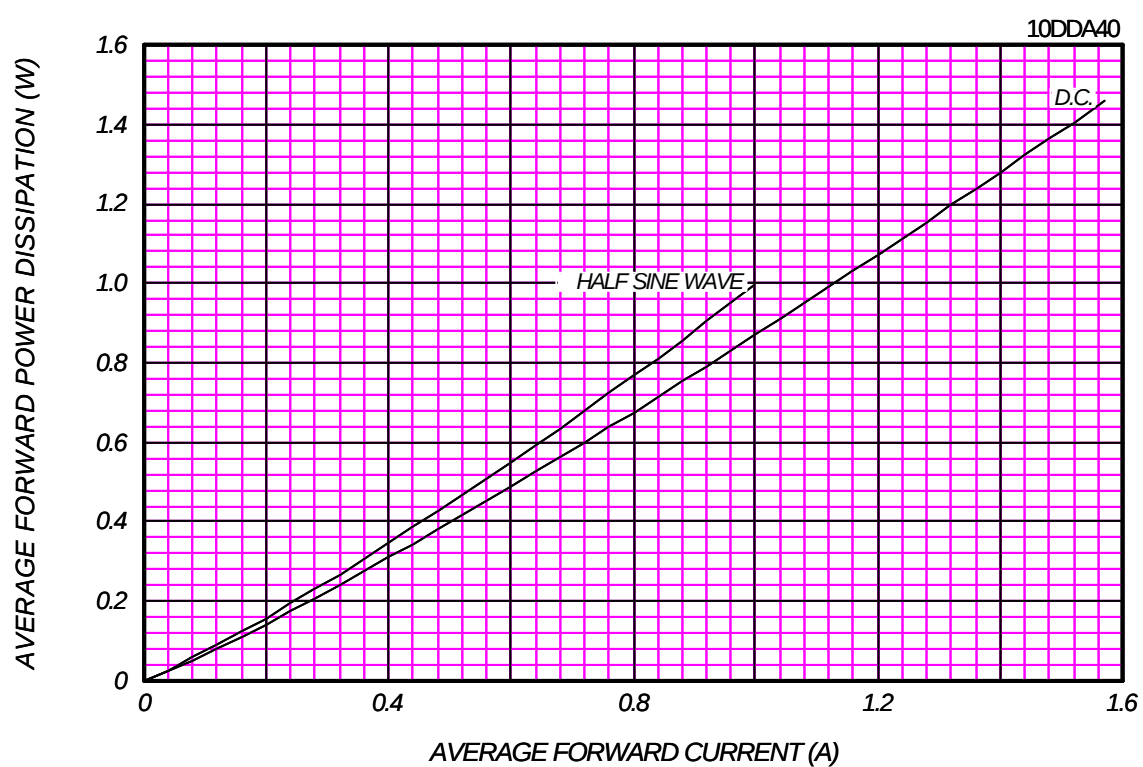
10DDA40 OUTLINE DRAWING (Dimensions in mm)



FORWARD CURRENT VS. VOLTAGE



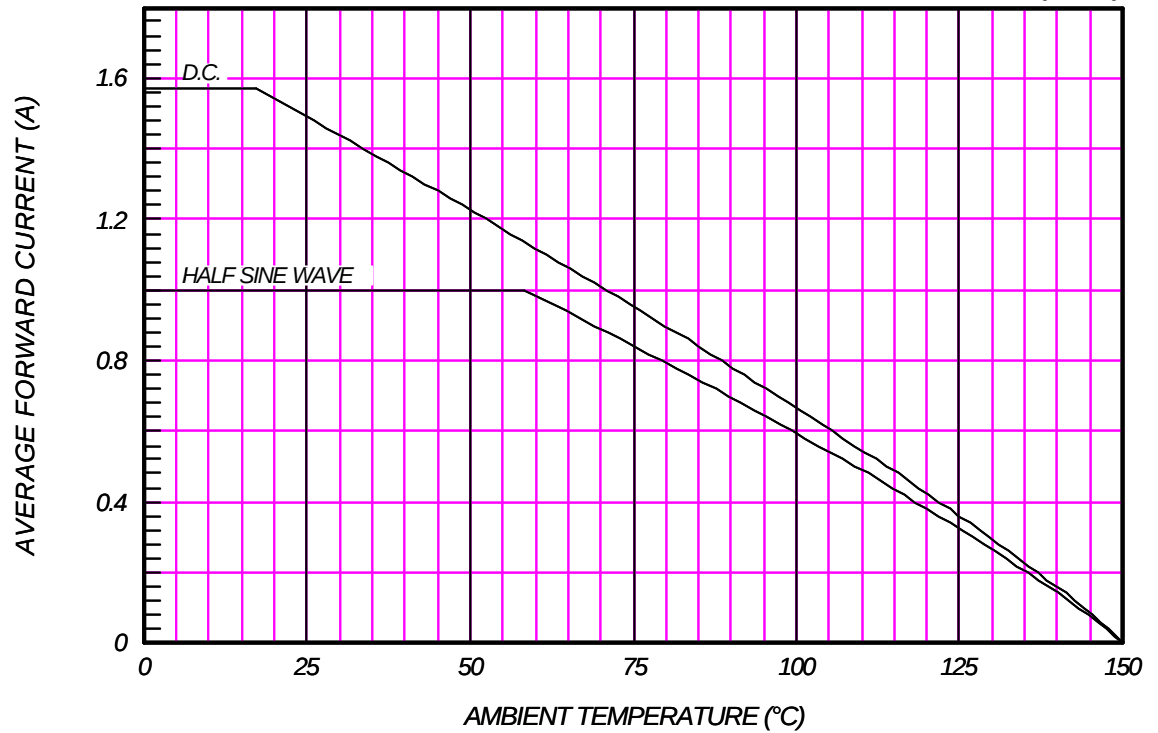
AVERAGE FORWARD POWER DISSIPATION



AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

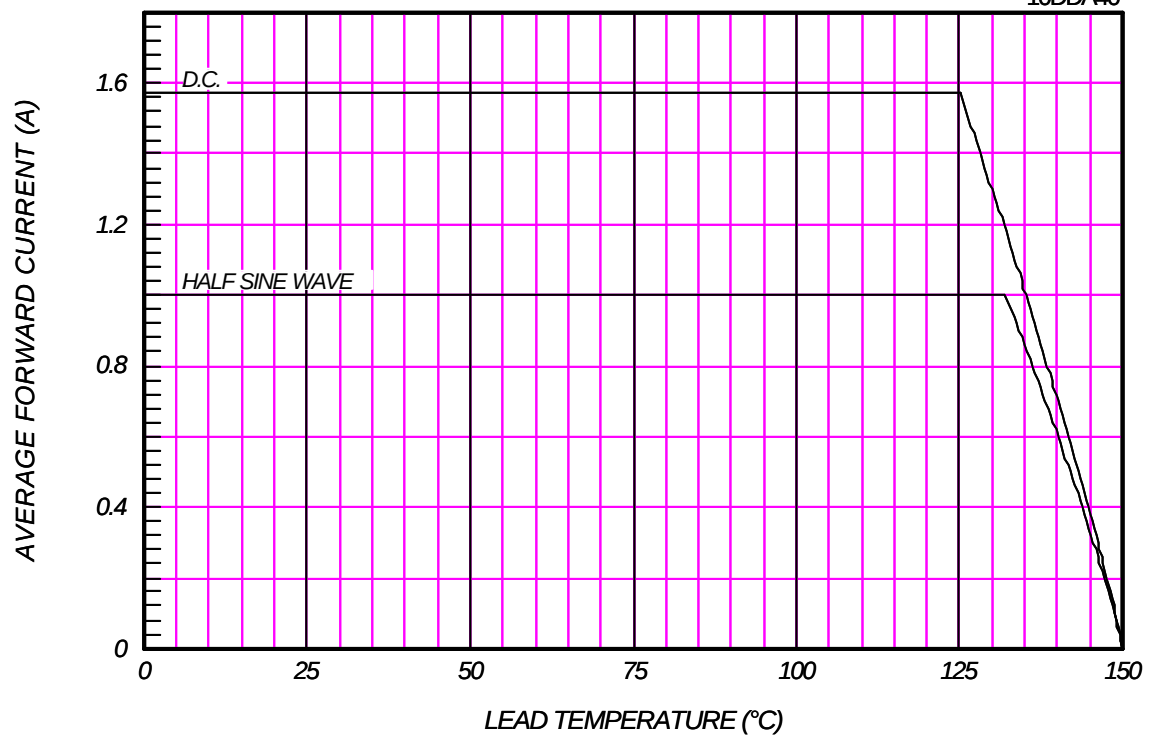
AMBIENT Without Fin or P.C. Board

10DDA40



AVERAGE FORWARD CURRENT VS. LEAD TEMPERATURE

10DDA40



SURGE CURRENT RATINGS

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

10DDA40

