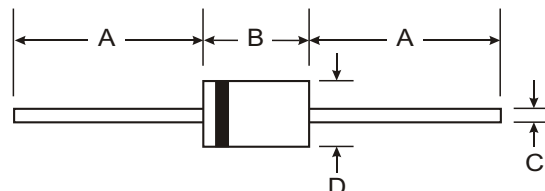
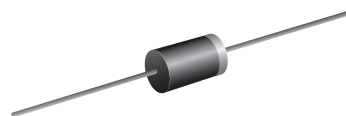


VOLTAGE RANGE: 100V
CURRENT: 1.0 A

Features

- Miniature Size
- Low Forward Voltage drop
- Low Reverse Leakage Current
- High Surge Capability



DO-41		
Dim	Min	Max
A	25.40	—
B	4.06	5.21
C	0.71	0.864
D	2.00	2.72
All Dimensions in mm		

Mechanical Data

- Case: DO-41 Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.34 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



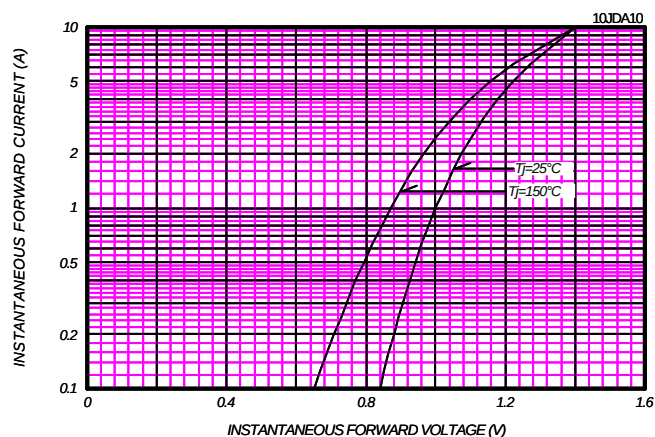
Maximum Ratings @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Characteristic	Symbol	10JDA10			Unit	
Repetitive Peak Reverse Voltage	V _{RRM}	100			V	
Average Rectified Output Current	I _O	50Hz Half Sine Wave Resistive Load	Ta=29℃ *1	1.0	A	
			Tl=126℃ (Tl: Lead Temperature)	1.0		
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				℃
Storage Temperature Range	T _{stg}	- 40 to + 150				℃

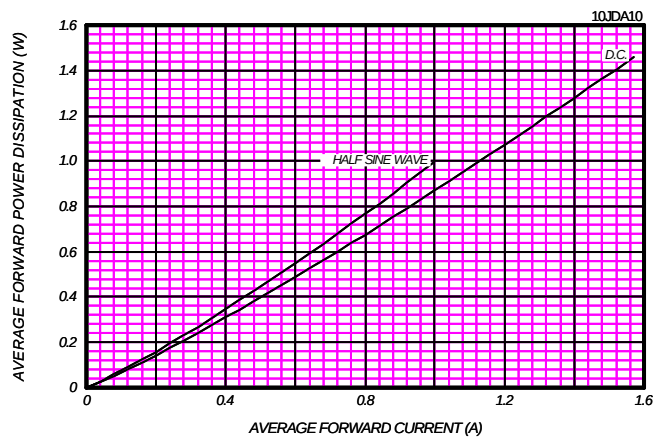
Electrical Characteristics

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}	$T_j = 25^\circ\text{C}$, $I_{FM} = 1.0\text{A}$	-	-	1.0	V
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient *1	-	-	120	$^\circ\text{C/W}$
	$R_{th(j-l)}$	Junction to Lead	-	-	23	

FORWARD CURRENT VS. VOLTAGE

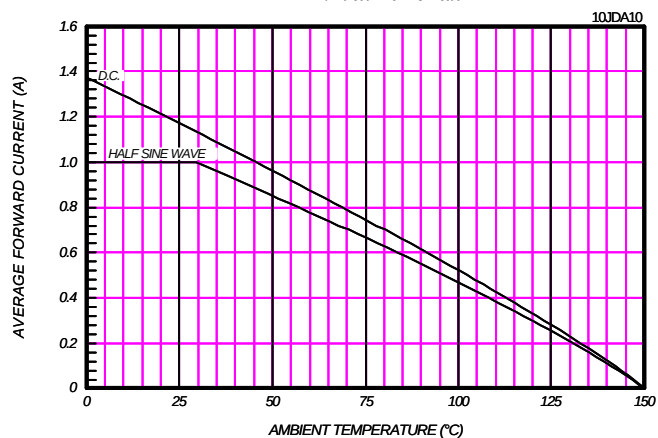


AVERAGE FORWARD POWER DISSIPATION

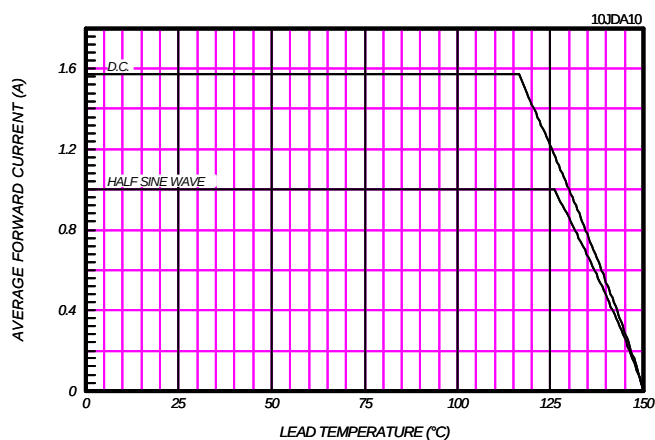


AVERAGE FORWARD CURRENT VS. AMBIENT TEMPERATURE

AMBIENT Without Fin or P.C. Board



AVERAGE FORWARD CURRENT VS. LEAD TEMPERATURE



SURGE CURRENT RATINGS

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

