

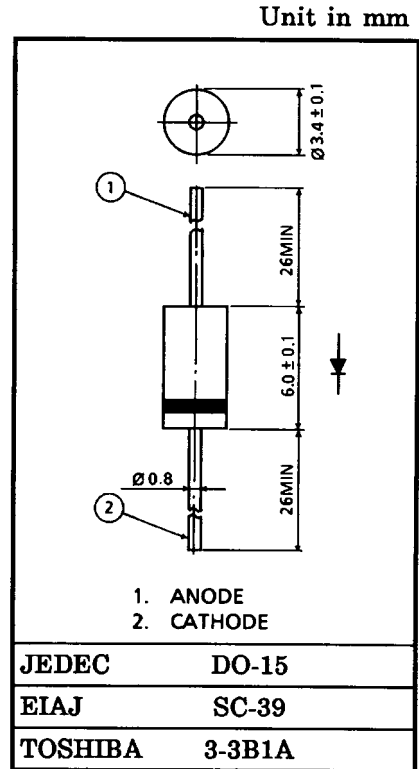
1S1885A, 1S1887A, 1S1888A

General Purpose Rectifier Applications

- Average Forward Current: $I_F (AV) = 1.2 \text{ A}$ ($T_a = 60^\circ\text{C}$)
- Repetitive Peak Reverse Voltage: $V_{RRM} = 100 \text{ V}, 400 \text{ V}, 600 \text{ V}$
- Peak One Cycle Surge Forward Current (non repetitive)
: $I_{FSM} = 100 \text{ A}$ (50 Hz)

Maximum Ratings ($T_a = 25^\circ\text{C}$)

Characteristics		Symbol	Rating	Unit
Repetitive peak reverse voltage	1S1885A	V_{RRM}	100	V
	1S1887A		400	
	1S1888A		600	
Average forward current ($T_a = 60^\circ\text{C}$)		$I_F (AV)$	1.2	A
Peak one cycle surge forward current (non repetitive)		I_{FSM}	100 (50 Hz)	A
			110 (60 Hz)	
Junction temperature		T_j	-40 to 150	$^\circ\text{C}$
Storage temperature range		T_{stg}	-40 to 150	$^\circ\text{C}$

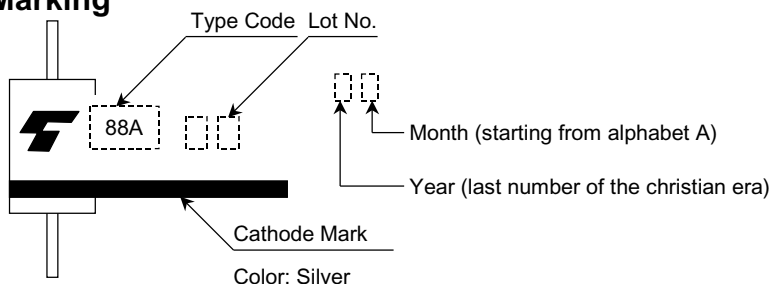


Weight : 0.42 g

Electrical Characteristics ($T_a = 25^\circ\text{C}$)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Peak forward voltage	V_{FM}	$I_{FM} = 5 \text{ A}$	—	—	1.0	V
Repetitive peak reverse current	I_{RRM}	$V_{RRM} = \text{Rated}$	—	—	10	μA
Thermal resistance (junction to ambient)	$R_{th} (j-a)$	DC	—	—	100	$^\circ\text{C} / \text{W}$

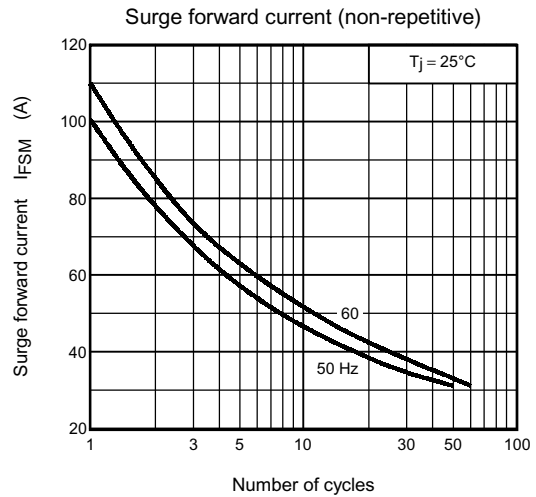
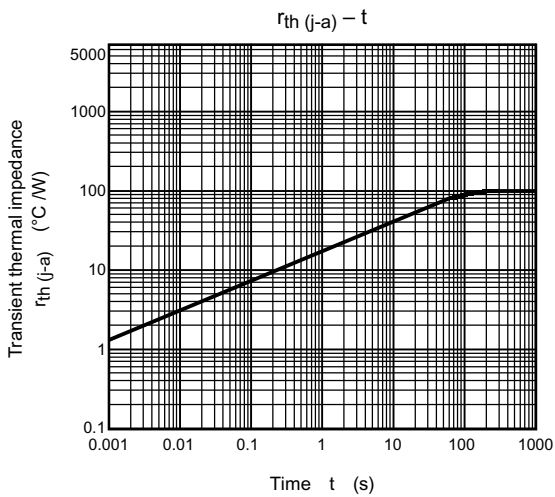
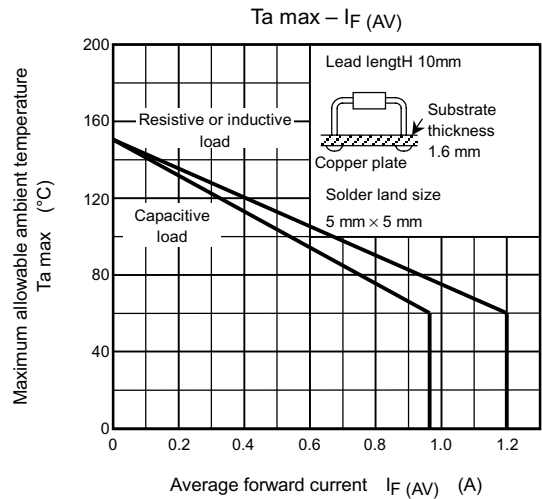
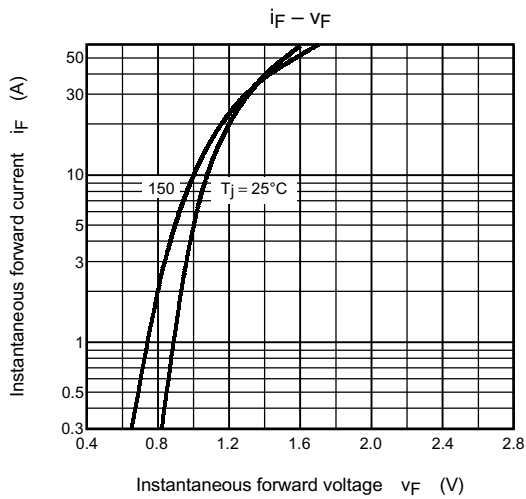
Marking



Code	Type
85A	1S1885A
87A	1S1887A
88A	1S1888A

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