TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

## 1S1885A, 1S1887A, 1S1888A

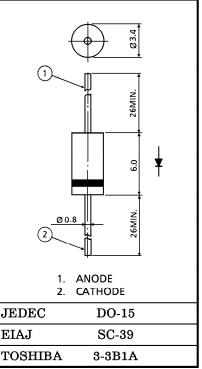
GENERAL PURPOSE RECTIFIER APPLICATIONS.

Unit in mm

- Average Forward Current  $: I_{F(AV)} = 1.2A (Ta = 60^{\circ}C)$
- Repetitive Peak Reverse Voltage: VRRM=100~600V
- Peak One Cycle Surge Forward Current (Non Repetitive)

## MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATINGS	UNIT		
Repetitive Peak Reverse Voltage	1S1885A		100	V	
	1S1887A	${ m V_{RRM}}$	400		
	1S1888A		600		
Average Forward Current (Ta=60°C)	I <sub>F (AV)</sub>	1.2	A		
Peak One Cycle Surge Forward		T	100 (50Hz)	_	
Current (Non Repetitive)	$I_{FSM}$	110 (60Hz)	A		
Junction Temperature	$\mathrm{T_{j}}$	-40~150	$^{\circ}\mathrm{C}$		
Storage Temperature Rang	$\mathrm{T_{stg}}$	-40~150	$^{\circ}\mathrm{C}$		

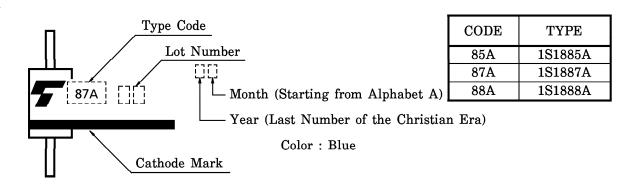


Weight: 0.42g

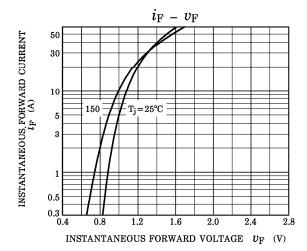
## ELECTRICAL CHARACTERISTICS (Ta = 25°C)

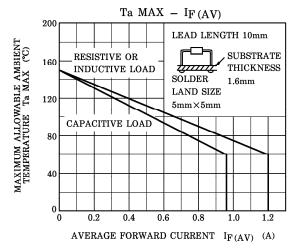
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{\mathbf{FM}}$	I <sub>FM</sub> =5A	_	_	1.0	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM}$ = Rated	_	_	10	$\mu$ <b>A</b>
Thermal Resistance (Junction to Ambient)	R <sub>th (j-a)</sub>	DC	_	_	100	°C/W

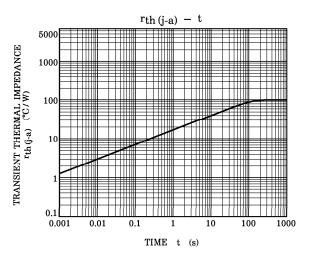
## **MARK**

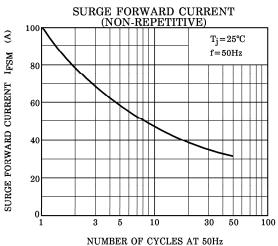


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