



TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

1S1885A, 1S1887A, 1S1888A

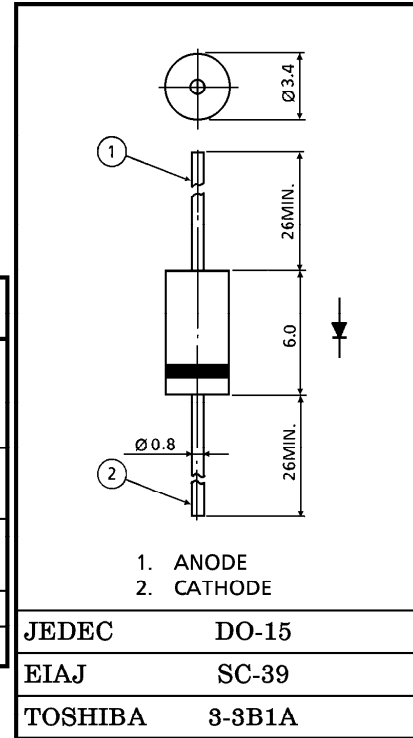
GENERAL PURPOSE RECTIFIER APPLICATIONS.

Unit in mm

- Average Forward Current : $I_F (AV) = 1.2A$ ($T_a = 60^\circ C$)
- Repetitive Peak Reverse Voltage : $V_{RRM} = 100 \sim 600V$
- Peak One Cycle Surge Forward Current (Non Repetitive)

MAXIMUM RATINGS ($T_a = 25^\circ C$)

CHARACTERISTIC		SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	1S1885A	V_{RRM}	100	V
	1S1887A		400	
	1S1888A		600	
Average Forward Current ($T_a = 60^\circ C$)		$I_F (AV)$	1.2	A
Peak One Cycle Surge Forward Current (Non Repetitive)		I_{FSM}	100 (50Hz)	A
			110 (60Hz)	
Junction Temperature		T_j	-40~150	$^\circ C$
Storage Temperature Range		T_{stg}	-40~150	$^\circ C$

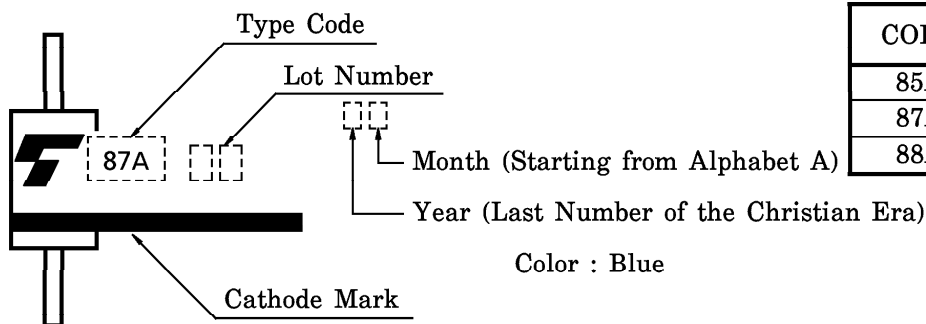


Weight : 0.42g

ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 5A$	—	—	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	$^\circ C / W$

MARK



CODE	TYPE
85A	1S1885A
87A	1S1887A
88A	1S1888A

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