

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

1S1829,1S1886

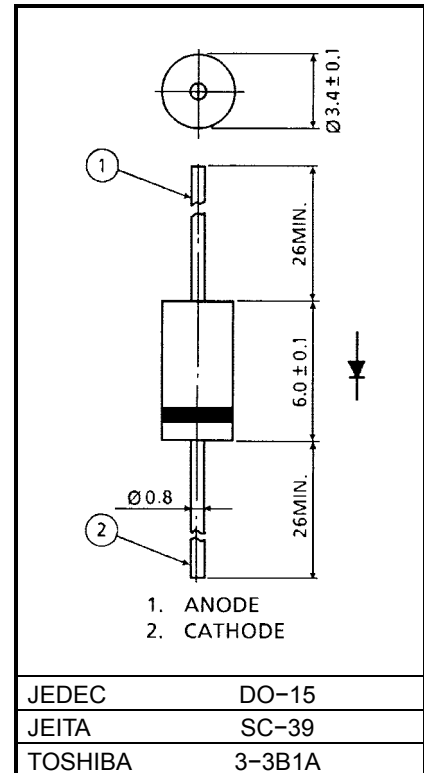
Unit: mm

GENERAL PURPOSE RECTIFIER APPLICATIONS

- Average Forward Current : $I_F (AV) = 1.0A$ ($T_a = 65^\circ C$)
- Repetitive Peak Reverse Voltage : $V_{RRM} = 200, 800V$
- Plastic Mold Package

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

CHARACTERISTIC		SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	1S1886	V _{RRM}	200	V
	1S1829		800	
Average Forward Current (Ta = 60°C)		I _F (AV)	1.0	A
Peak One Cycle Surge Forward Current	1S1829	I _{FSM}	45 (50Hz)	A
	1S1886		60 (50Hz)	
Junction Temperature		T _j	-40~150	°C
Storage Temperature Range		T _{stg}	-40~150	°C

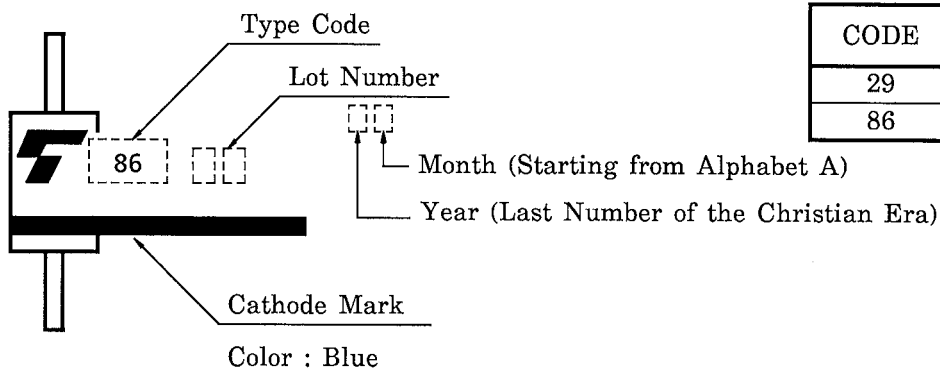


Weight: 0.42g

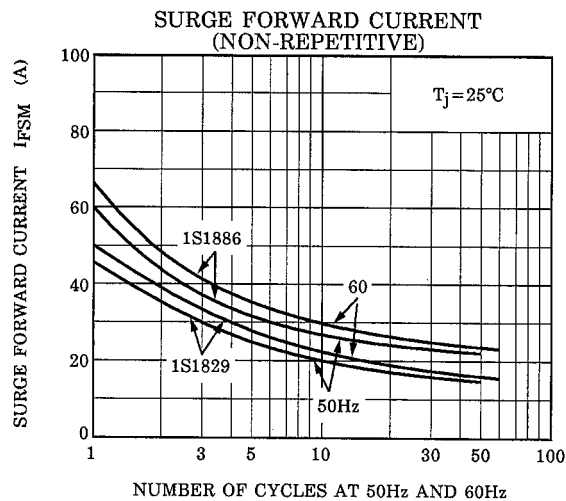
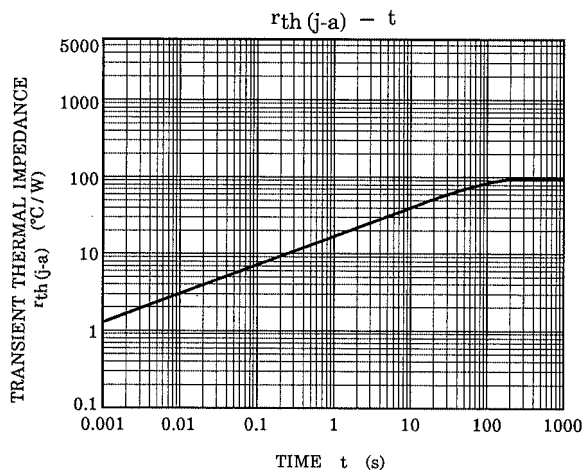
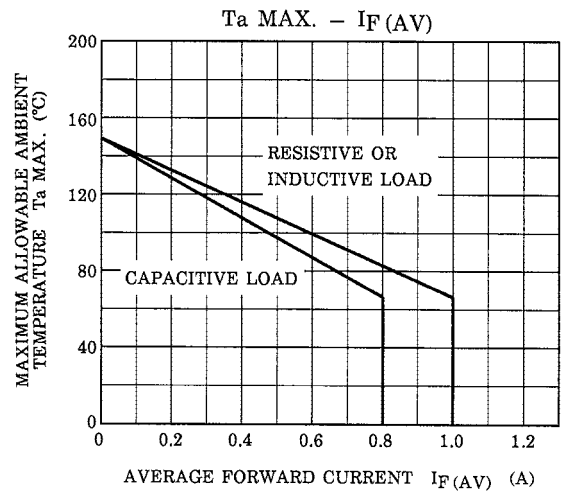
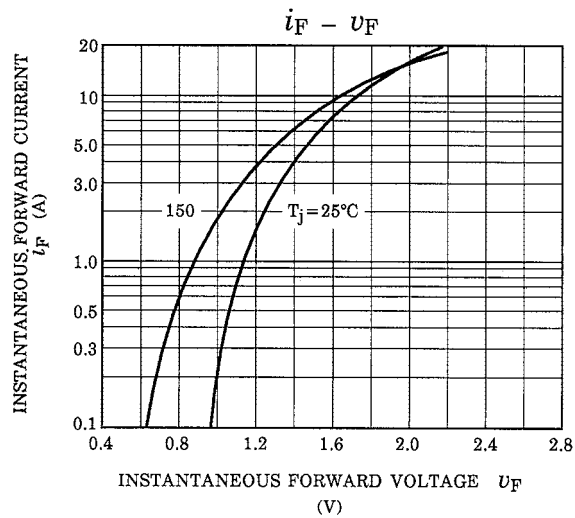
ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 1.5A$	—	1.2	V
Repetitive Peak Reverse Current	$I_{RRM} (1)$	$V_{RRM} = \text{Rated}$	—	10	μA
	$I_{RRM} (2)$	$V_{RRM} = \text{Rated}, T_j = 150^\circ C$	—	400	
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	100	$^\circ C / W$

MARKING



CODE	TYPE
29	1S1829
86	1S1886



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000707EAA

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