TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

151829, 151886

GENERAL PURPOSE RECTIFIER APPLICATIONS

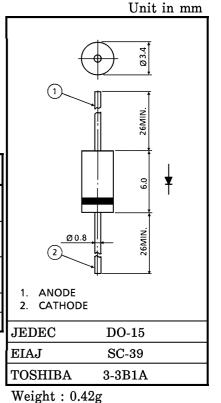
• Average Forward Current : $I_{F(AV)} = 1.0A (Ta = 65^{\circ}C)$

• Repetitive Peak Reverse Voltage: VRRM=200, 800V

• Plastic Mold Package

MAXIMUM RATINGS (Ta = 25°C)

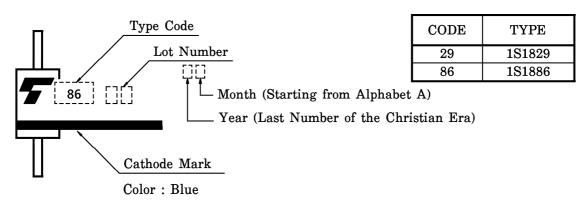
CHARACTERISTIC		SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse	1S1886	3.7	200	3.7
Voltage	1S1829	V_{RRM}	800	v
Average Forward Current (Ta=60°C)	I _{F (AV)}	1.0	A	
Peak One Cycle Surge	1S1829	т.	45 (50Hz)	_
Forward Current	1S1886	I_{FSM}	60 (50Hz)	A
Junction Temperature		Tj	-40~150	$^{\circ}\mathrm{C}$
Storage Temperature Range		$\mathrm{T_{stg}}$	-40~150	°C



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

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

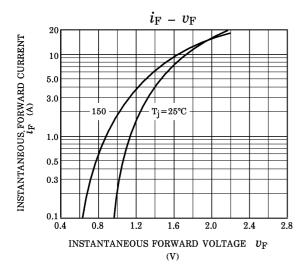
MARKING

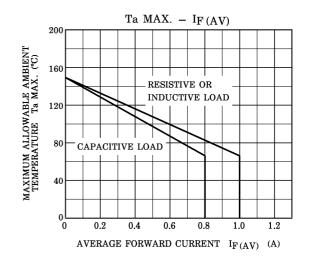


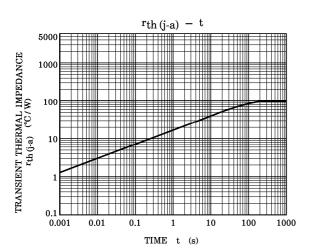
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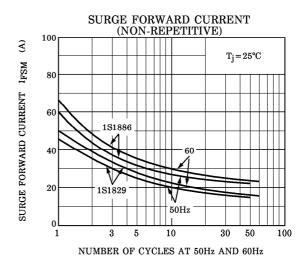
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1998-07-07 1/2









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