TOSHIBA Rectifier Silicon Diffused Type

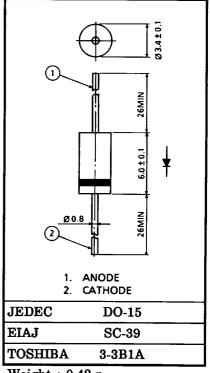
1S1830, 1S1885, 1S1887, 1S1888

General Purpose Rectifier Applications

- Average Forward Current: IF (AV) = 1.0 A (Ta = 65°C)
- Repetitive Peak Reverse Voltage: VRRM = 100 V, 400 V, 600 V, 1000 V

Maximum Ratings (Ta = 25°C)

Characteristics		Symbol	Rating	Unit	
Repetitive peak reverse voltage	1S1885		100	V	
	1S1887	V _{RRM}	400		
	1S1888	V KKM	600		
	1S1830		1000		
Average forward current (Ta = 65°C)		I _{F (AV)}	1.0	Α	
Peak one cycle surge forward current (non repetitive)	1\$1830		45 (50 Hz)	A	
			49 (60 Hz)		
	1S1885	I _{FSM}	60 (50 Hz)		
	1S1887			1	
	1S1888		66 (60 Hz)		
Junction temperature		Tj	-40 to 150	°C	
Storage temperature range		T _{stg}	-40 to 150	°C	

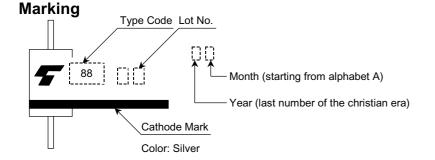


Unit in mm

Weight: 0.42 g

Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Peak forward voltage	V _{FM}	I _{FM} = 1.5 A	_	_	1.2	V
Repetitive peak reverse current	I _{RRM (1)}	V _{RRM} = Rated	_	_	10	μА
Repetitive peak reverse current	I _{RRM (2)}	V _{RRM} = Rated, T _j = 150°C			400	
Thermal resistance (junction to ambient)	R _{th (j-a)}	DC	_	_	100	°C/W



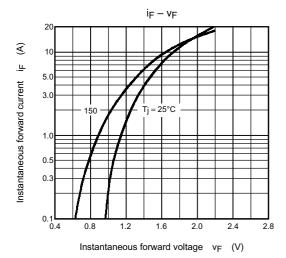
Code	Туре		
30	1S1830		
85	1S1885		
87	1S1887		
88	1S1888		

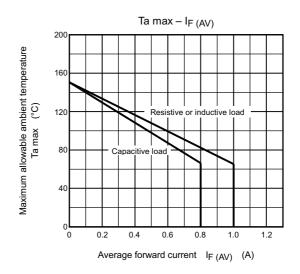
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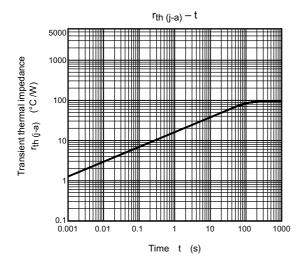
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damage to property.

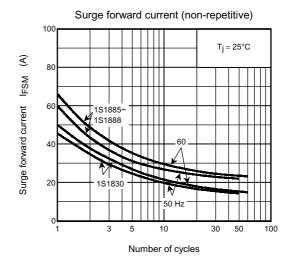
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