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: V_{RRM} = 100 V, 400 V, 600 V, 1000 V

Maximum Ratings (Ta = 25°C)

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

1. ANODE 2. CATHODE JEDEC DO-15 JEITA SC-39 TOSHIBA 3-3B1A

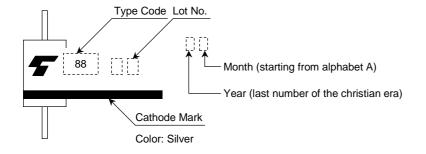
Unit: mm

Weight: 0.42 g (typ.)

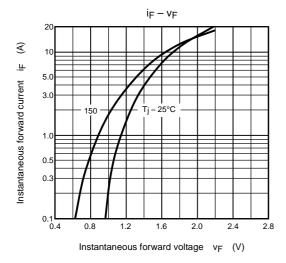
Electrical Characteristics (Ta = 25°C)

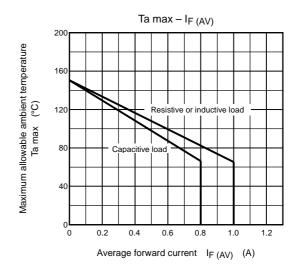
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Peak forward voltage	V_{FM}	I _{FM} = 1.5 A	_	_	1.2	V
Repetitive peak reverse current	I _{RRM (1)}	V _{RRM} = Rated	_	_	10	μА
Trepetitive peak reverse current	I _{RRM (2)}	V _{RRM} = Rated, T _j = 150°C	_	_	400	
Thermal resistance (junction to ambient)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

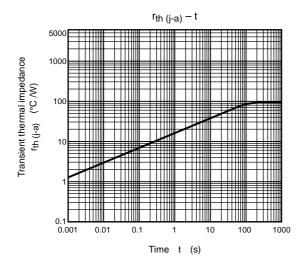
Marking

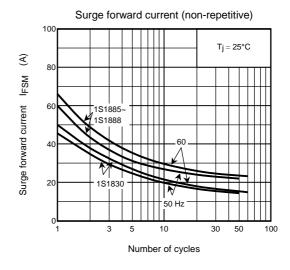


Code	Туре		
30	1S1830		
85	1S1885		
87	1S1887		
88	1S1888		









2

RESTRICTIONS ON PRODUCT USE

Handbook" etc..

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