TOSHIBA Rectifier Silicon Diffused Type

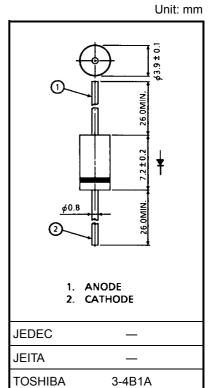
1R5JZ41,1R5NZ41

General Purpose Rectifier Applications

- Average Forward Current: IF (AV) = 1.5 A (Ta = 25°C)
- Repetitive Peak Reverse Voltage: $V_{RRM} = 600, 1000 \text{ V}$
- Peak One Cycle Surge Forward Current (non repetitive): $I_{FSM} = 100 A$
- Plastic Mold Type.

Maximum Ratings (Ta = 25°C)

Characteristics		Symbol	Rating	Unit	
Repetitive peak reverse voltage	1R5JZ41	V _{RRM}	600	- V	
	1R5NZ41	V KKM	1000		
Average forward current (Ta = 25°C)		I _{F (AV)}	1.5	Α	
Peak one cycle surge forward current (non repetitive)		leou	100 (50 Hz)	А	
		IFSM	110 (60 Hz)		
Junction temperature		Tj	−40 ~ 150	°C	
Storage temperature range		T _{stg}	− 40~150	°C	



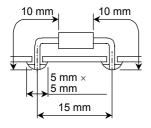
Weight: 0.47 g (typ.)



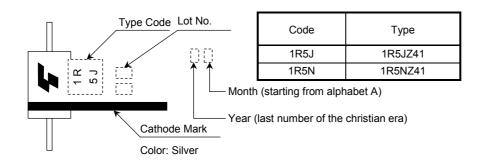
Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Peak forward voltage	V_{FM}	I _{FM} = 1.5 A	_	_	1.0	V
Repetitive peak reverse current	I _{RRM}	V _{RRM} = Rated	_	_	10	μА
Thermal resistance (junction to ambient)	R _{th (j-a)}	DC (Note1)	_	_	90	°C/W

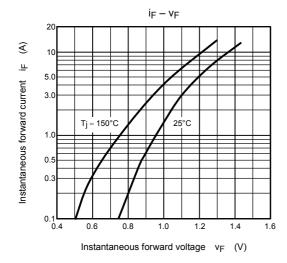
Note1: Thermal resistance

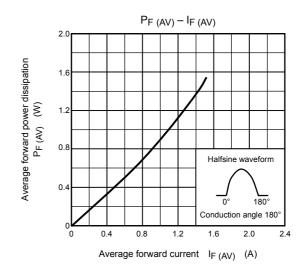


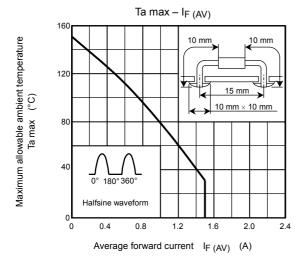
Marking

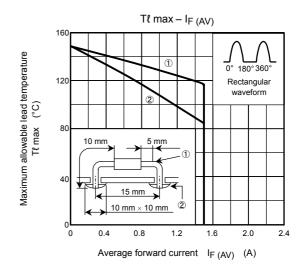


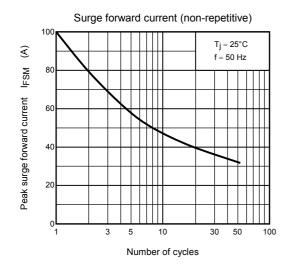
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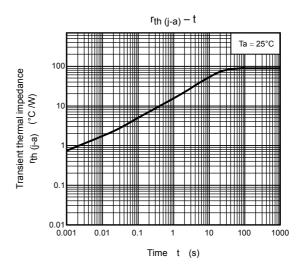












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