Unit in mm

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

3BZ41, 3GZ41, 3JZ41, 3NZ41

GENERAL PURPOSE RECTIFIER APPLICATIONS.

• Average Forward Current : IF(AV)=3.0A

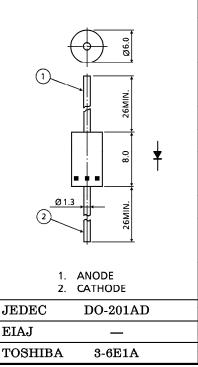
• Repetitive Peak Reverse Voltage: VRRM=100~1000V

• Peak One Cycle Surge Forward Current (Non Repetitive)

 $: I_{FSM} = 180A (50Hz)$

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	RATINGS	UNIT	
	3BZ41		100	V	
Repetitive Peak Reverse Voltage	3GZ41	${ m v}_{ m RRM}$	400		
	3JZ41		600		
	3NZ41		1000		
Average Forward Current (Ta=45°C)		I _F (AV)	3.0	A	
			0.0		
Peak One Cycle Surge Forward		I_{FSM}	180 (50Hz)		
Current (Non Repetitive)			200 (60Hz)	1 A	
Junction Temperature		T_{j}	-40~150	$^{\circ}\mathrm{C}$	
Storage Temperature Range		${ m T_{stg}}$	-40~150	°C	

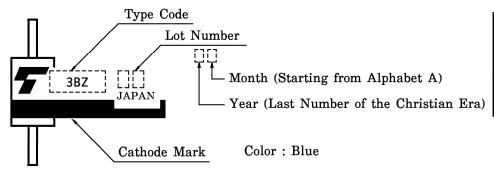


Weight: 1.18g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{\mathbf{FM}}$	I_{FM} =3.0A	_	_	1.0	V
Repetitive Peak Reverse Current	$I_{ m RRM}$	V _{RRM} =Rated		_	30	μ A
Thermal Resistance (Junction to Ambient)	R _{th (j-a)}	DC	_	ı	37	°C/W

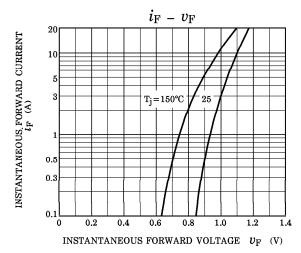
MARK

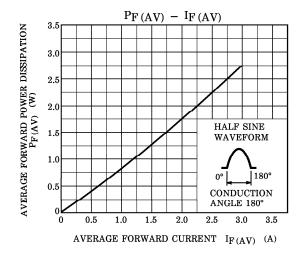


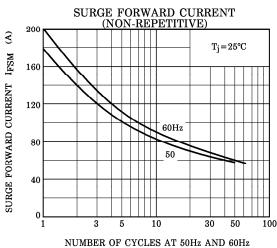
CODE	TYPE
3BZ	3BZ41
3GZ	3GZ41
3JZ	3JZ41
3NZ	3NZ41

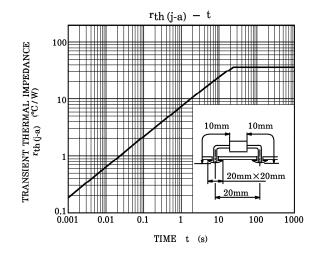
961001EAA2

[●] TOSHIBA is continually working to improve the quality and the reliability of its products. Nevertheless, semiconductor devices in general can malfunction or fail due to their inherent electrical sensitivity and vulnerability to physical stress. It is the responsibility of the buyer, when utilizing TOSHIBA products, to observe standards of safety, and to avoid situations in which a malfunction or failure of a TOSHIBA product could cause loss of human life, bodily injury or damage to property. In developing your designs, please ensure that TOSHIBA products are used within specified operating ranges as set forth in the most recent products specifications. Also, please keep in mind the precautions and conditions set forth in the TOSHIBA Semiconductor Reliability Handbook.









The information contained herein is presented only as a guide for the applications of our products. No responsibility is assumed by TOSHIBA CORPORATION for any infringements of intellectual property or other rights of the third parties which may result from its use. No license is granted by implication or otherwise under any intellectual property or other rights of TOSHIBA CORPORATION or others.

The information contained herein is subject to change without notice.

