

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

# 3DZ41, 3LZ41

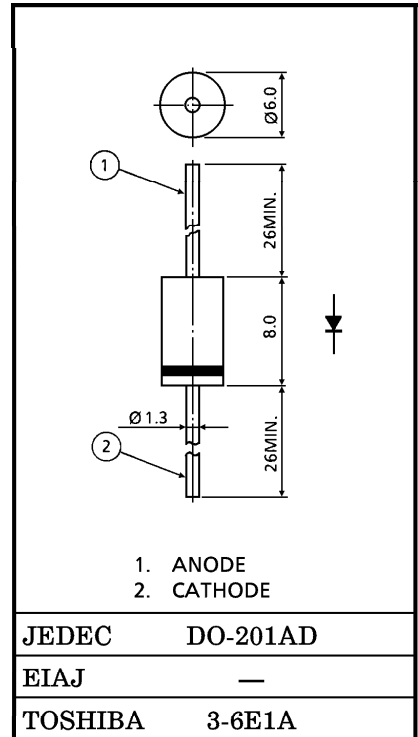
GENERAL PURPOSE RECTIFIER APPLICATIONS

Unit in mm

- Average Forward Current :  $I_F (AV) = 3.0A$
- Repetitive Peak Reverse Voltage :  $V_{RRM} = 200, 800V$
- Peak One Cycle Surge Forward Current (Non Repetitive)  
:  $I_{FSM} = 180A (50Hz)$

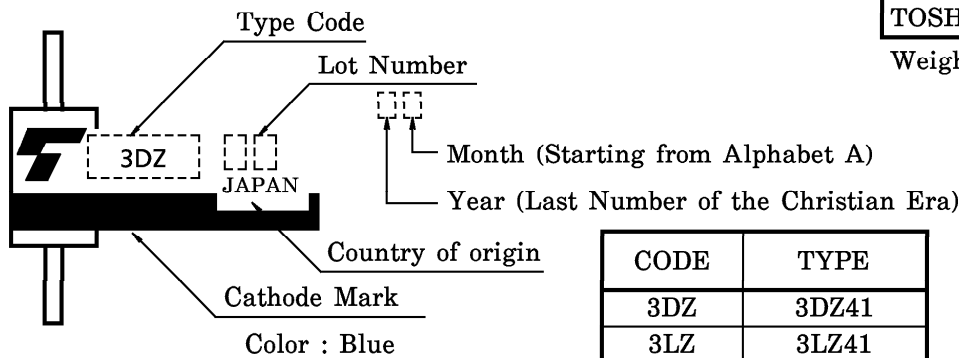
MAXIMUM RATINGS ( $T_a = 25^\circ C$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	3DZ41	200	V
	3LZ41	800	
Average Forward Current ( $T_a = 35^\circ C$ )	$I_F (AV)$	3.0	A
Peak One Cycle Surge Forward Current (Non Repetitive)	$I_{FSM}$	180 (50Hz)	A
Junction Temperature	$T_j$	-40~150	$^\circ C$
Storage Temperature Range	$T_{stg}$	-40~150	$^\circ C$



Weight : 1.18g

MARKING

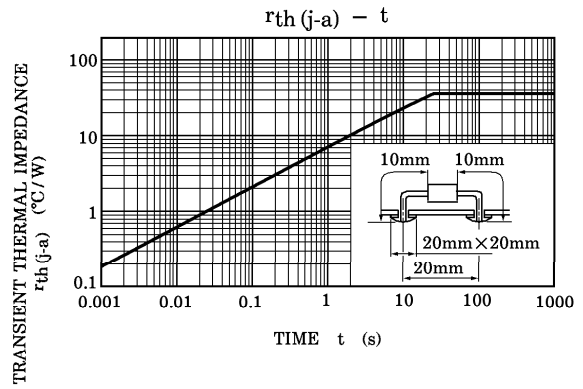
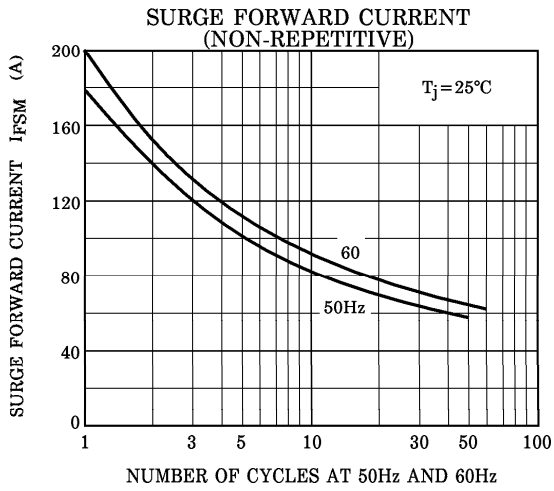
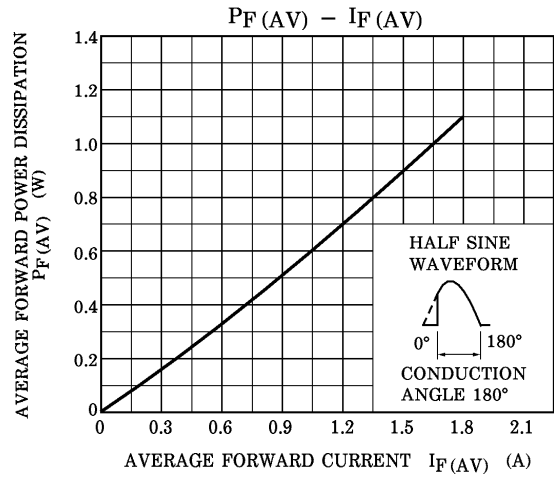
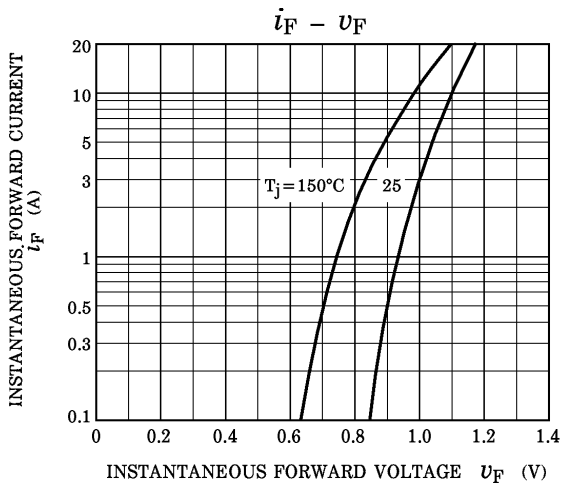


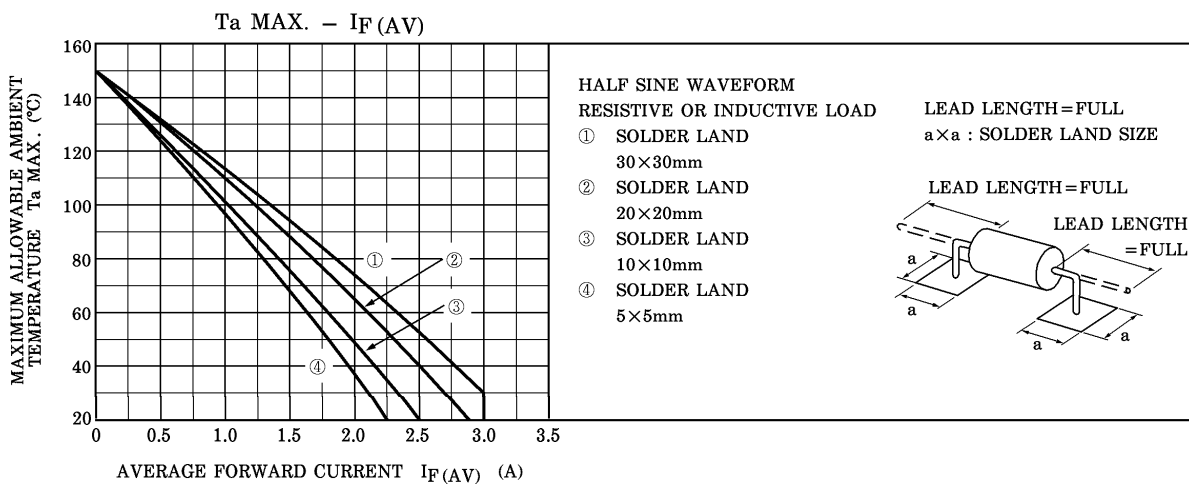
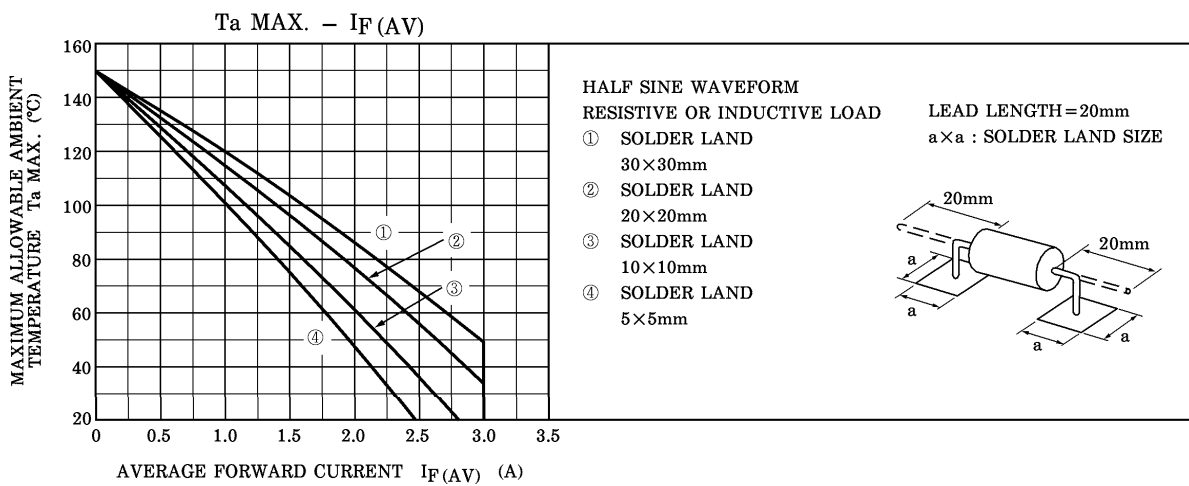
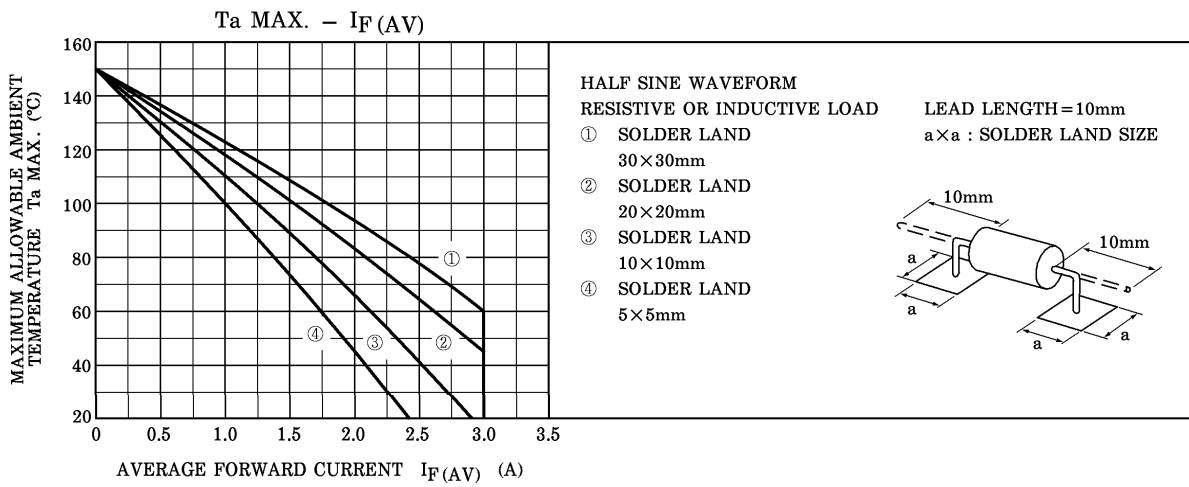
ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ C$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 3.0A$	—	—	1.0	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = \text{Rated}$	—	—	10	$\mu A$
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	—	37	$^\circ C / W$

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