

TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

3DZ41, 3LZ41

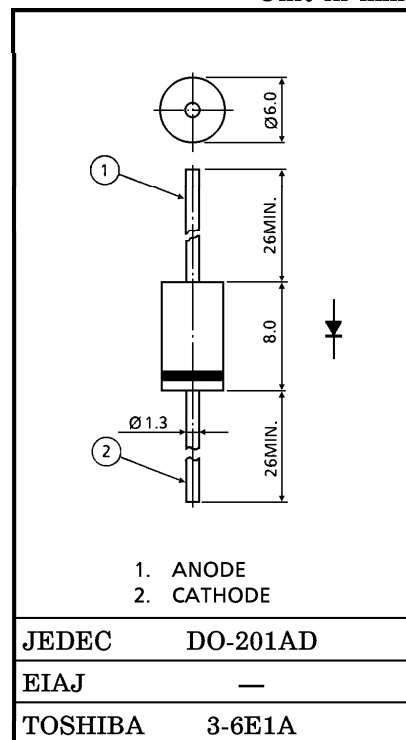
GENERAL PURPOSE RECTIFIER APPLICATIONS

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

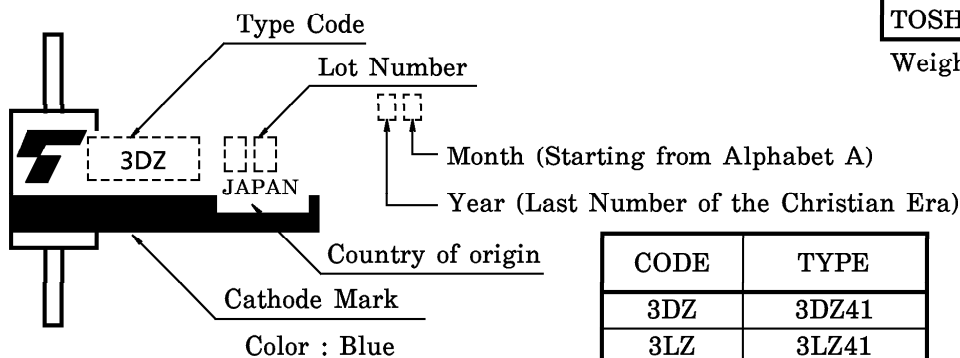
MAXIMUM RATINGS ($T_a = 25^\circ C$)

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	μA
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	—	37	$^\circ C / W$

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