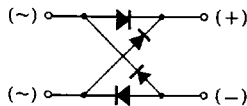


15(B, G, J)4B42 SILICON DIFFUSED TYPE RECTIFIER STACK

- SINGLE PHASE BRIDGE RECTIFIER APPLICATIONS.
- Average Output Rectified Current : $I_O=15A$
- Repetitive Peak Reverse Voltage : $V_{RRM}=100\sim600V$

POLARITY



MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	15B4B42	V_{RRM}	100	V
	15G4B42		400	
	15J4B42		600	
Average Output Rectified Current	$T_a=30^\circ C$	I_O	4.5	A
	$T_f=58^\circ C$ ※		15	
Peak One Cycle Surge Forward Current (Non Repetitive)		I_{FSM}	200 (50Hz)	A
			220 (60Hz)	
Junction Temperature		T_j	-40~150	$^\circ C$
Storage Temperature Range		T_{stg}	-40~150	$^\circ C$
Screw Torque		—	1.0	N·m

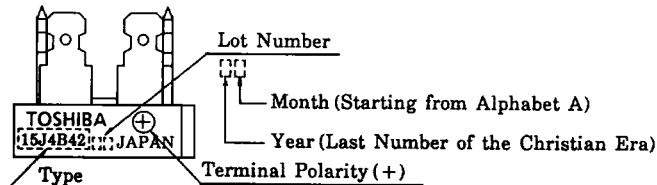
※ : T_f (Heat Sink Temperature)

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=15A$	—	1.05	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=\text{Rated}$	—	10	μA
Thermal Resistance (Junction to Heat Sink)	$R_{th(j-f)}$	DC	—	3.5	$^\circ C/W$
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC (Without Heat Sink)	—	16	$^\circ C/W$

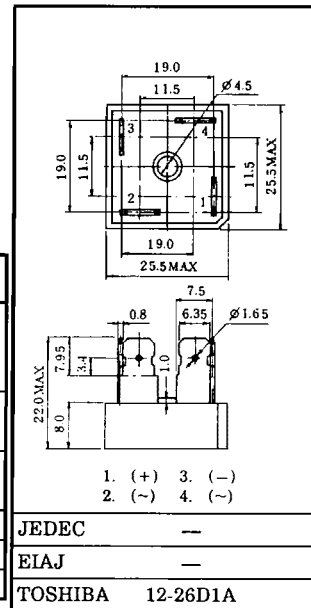
Note 1 : A value of one cell.

MARK



Color : Silver

Unit in mm



JEDEC	—
EIAJ	—
TOSHIBA	12-26D1A

Weight : 18g

