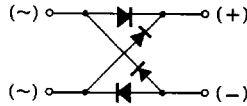


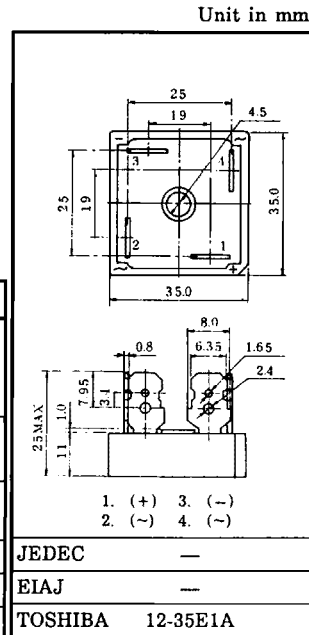
25(B, G, J)4B42

- SINGLE PHASE BRIDGE RECTIFIER APPLICATIONS.
 - Average Output Rectified Current : $I_O=25A$
 - Repetitive Peak Reverse Voltage : $V_{RRM}=100\sim600V$
- POLARITY



MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATINGS	UNIT	
Repetitive Peak Reverse Voltage	25B4B42	100	V	
	25G4B42	400		
	25J4B42	600		
Average Output Rectified Current	$T_f=60^\circ C$	I_O	25	A
Peak One Cycle Surge Forward Current (Non Repetitive)		I_{FSM}	400	A
Junction Temperature	T_j	-40~150		°C
Storage Temperature Range	T_{stg}	-40~150		°C
Screw Torque	—	1.0		N·m



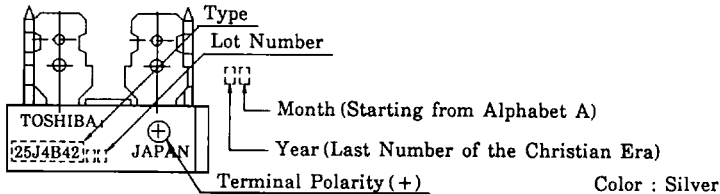
Weight : 34g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 22A$	—	1.0	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = \text{Rated}$	—	10	μA
Thermal Resistance (Junction to Heat Sink)	$R_{th(j-f)}$	DC	—	1.9	°C/W
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC	—	13	°C/W

Note 1 : A value of one cell.

MARK



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