

# RECTIFIER STACK (HIGH-SPEED CENTER TAP)

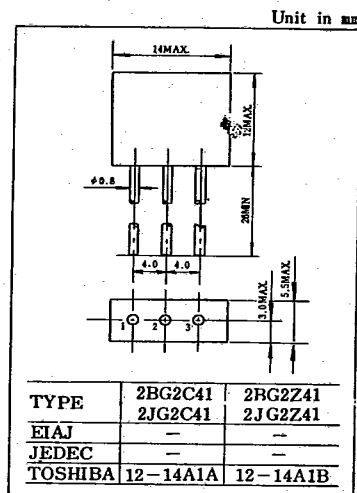
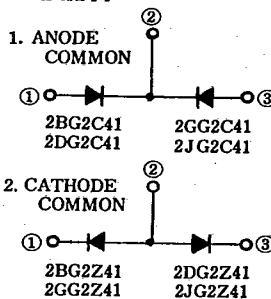
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**2JG2C41** 600V 2A

## MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak reverse voltage	V <sub>RRM</sub>	2BG2C41, 2BG2Z41	100	V
		2DG2C41, 2DG2Z41	200	
		2GG2C41, 2GG2Z41	400	
		2JG2C41, 2JG2Z41	600	
Average Output Rectified Current (Fig. 1)	I <sub>O</sub>	2.0	A	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I <sub>FSM</sub>	50(50Hz)	A	
Junction Temperature	T <sub>j</sub>	-40~125	°C	
Storage Temperature Range	T <sub>stg</sub>	-40~125	°C	

### POLARITY

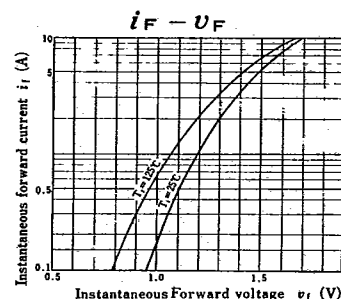
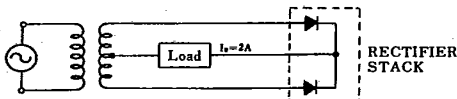


## ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V <sub>FM</sub>	I <sub>FM</sub> =2A, T <sub>a</sub> =25°C	-	-	1.3	V
Repetitive Peak Reverse Current	I <sub>RRM</sub>	V <sub>RRM</sub> =Rated, T <sub>a</sub> =125°C	-	-	0.5	mA
Reverse Recovery Time	t <sub>rr</sub>	I <sub>F</sub> =20mA, I <sub>R</sub> =1mA, T <sub>a</sub> =25°C	-	-	1.5	μA
Thermal Resistance	R <sub>th(j-a)</sub>	DC	-	-	45	°C/W

Notes : 1. Soldering : 6 mm is the minimum to be kept between case and soldering part.  
2. Lead Bending : 6 mm is the minimum to be kept from the case when bend the lead wire.

Fig.1 NORMAL CIRCUIT.

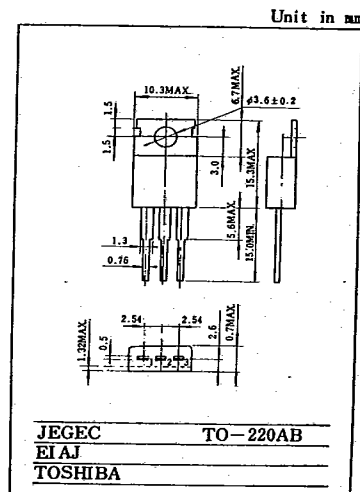
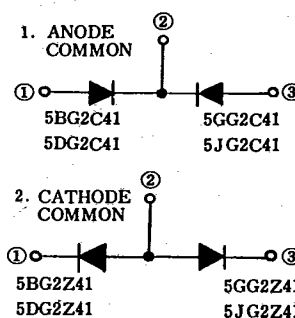


**5JG2C41** 600V 5A

## MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	5BG2C41, 5BG2Z41	100
		5DG2C41, 5DG2Z41	200
		5GG2C41, 5GG2Z41	400
		5JG2C41, 5JG2Z41	600
Average Output Rectified Current (Fig 1)	I <sub>O</sub>	5	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I <sub>FSM</sub>	30(50Hz)	A
Storage Temperature Range	T <sub>stg</sub>	-20~150	°C
Junction Temperature	T <sub>j</sub>	-20~150	°C

### POLARITY



## ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V <sub>FM</sub>	I <sub>FM</sub> =5A, T <sub>a</sub> =25°C	-	-	1.6	V
Repetitive Peak Reverse Current	I <sub>RRM</sub>	V <sub>RRM</sub> =Rated, T <sub>a</sub> =150°C	-	-	6.0	mA
Reverse Recovery Time	t <sub>rr</sub> (1)	I <sub>F</sub> =20mA, I <sub>R</sub> =1mA	-	-	1.5	μs
	t <sub>rr</sub> (2)	I <sub>F</sub> =1.0A, V <sub>R</sub> =30V, T <sub>a</sub> =25°C	-	-	200	ns
Thermal Resistance	R <sub>th(j-c)</sub>	DC	-	-	5	°C/W

Fig.1 NORMAL CIRCUIT.

