RECTIFIER STACK (HIGH-SPEED CENTER TAP)

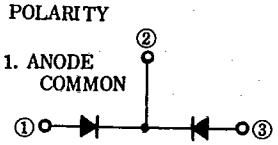
2JG2C41 600V 2A

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak reverse voltage	2BG2C41, 2BG2Z41	V_{RRM}	100	V
	2DG2C41, 2DG2Z41		200	
	2GG2C41, 2GG2Z41		400	
	2JG2C41, 2JG2Z41		600	
Average Output Rectified Current (Fig. 1)		I_O	2.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)		I_{FSM}	50(50Hz)	A
Junction Temperature		T_j	−40~125	℃
Storage Temperature Range		T_{stg}	−40~125	℃

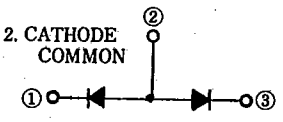
POLARITY

1. ANODE COMMON



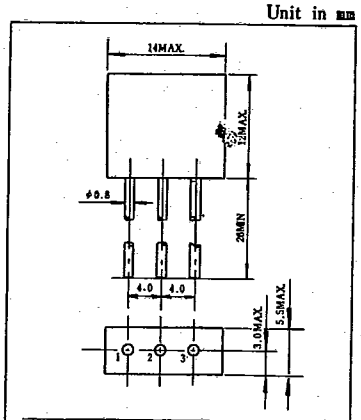
2BG2C41 2DG2C41 2GG2C41 2JG2C41

2. CATHODE COMMON



2BG2Z41 2GG2Z41 2DG2Z41 2JG2Z41

Unit in mm



TYPE	2BG2C41 2JG2C41	2BG2Z41 2JG2Z41
EIAJ	—	—
JEDEC	—	—
TOSHIBA	12−14A1A	12−14A1B

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	I_{FM}=2A, Ta=25℃	—	—	1.3	V
Repetitive Peak Reverce Current	I_{RRM}	V_{RRM}=Rated, Ta=125℃	—	—	0.5	mA
Reverse Recovery Time	trr	I_F=20mA, I_R=1mA, Ta=25℃	—	—	1.5	μA
Thermal Resistance	$R_{th(j-a)}$	DC	—	—	45	℃/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.

$i_F - v_F$

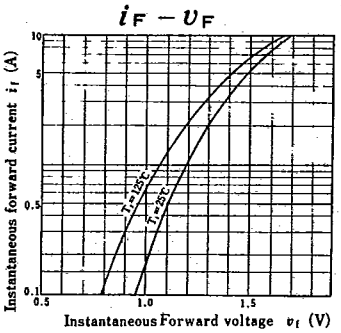
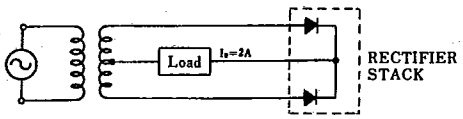


Fig. 1 NORMAL CIRCUIT.



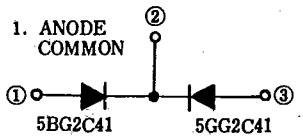
5JG2C41 600V 5A

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	5BG2C41, 5BG2Z41	V_{RRM}	100	V
	5DG2C41, 5DG2Z41		200	
	5GG2C41, 5GG2Z41		400	
	5JG2C41, 5JG2Z41		600	
Average Output Rectified Current (Fig 1)		I_O	5	A
Peak One Cycle Surge Forward Current (Non-Repetitive)		I_{FSM}	30(50Hz)	A
Storage Temperature Range		T_{stg}	−20~150	℃
Junction Temperature		T_j	−20~150	℃

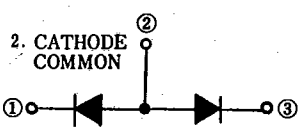
POLARITY

1. ANODE COMMON



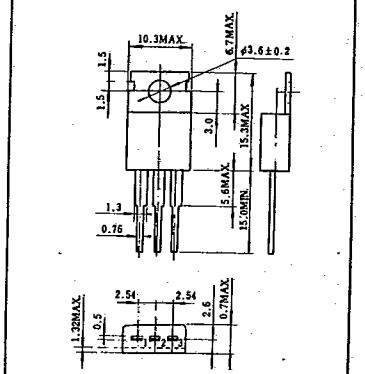
5BG2C41 5DG2C41 5GG2C41 5JG2C41

2. CATHODE COMMON



5BG2Z41 5DG2Z41 5GG2Z41 5JG2Z41

Unit in mm



JEGEC	TO−220AB
EIAJ	
TOSHIBA	

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	I_{FM}=5A, Ta=25℃	—	—	1.6	V
Repetitive Peak Reverse Current	I_{RRM}	V_{RRM}=Rated, Ta=150℃	—	—	6.0	mA
Reverse Recovery Time	trr(1)	I_F=20mA, I_R=1mA	—	—	1.5	μs
	trr(2)	I_F=1.0A, V_R=30V, Ta=25℃	—	—	200	ns
Thermal Resistance	$R_{th(j-c)}$	DC	—	—	5	℃/W

Fig. 1 NORMAL CIRCUIT.

