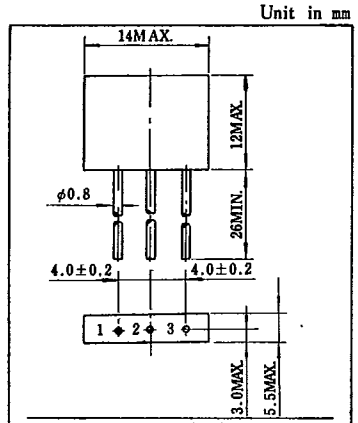
STACKS

1J2C1 600V 2A

Unit in mm



TYPE	1B2C1~1J2C1
	1B2Z1~1J2Z1
JEDEC	
EIAJ	
TOSHIBA	12-14A1A 12-14A1B

MAXIMUM RATINGS

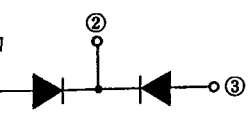
CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	1B2C1, 1B2Z1	V_{RRM}	100	V
	1D2C1, 1D2Z1		200	
	1G2C1, 1G2Z1		400	
	1J2C1, 1J2Z1		600	
Average Output Rectified Current		I_O	2.0	A
Peak One Cycle Surge Forward Current		I_{FSM}	60(50Hz)	A
Junction Temperature		T_j	−40~150	℃
Storage Temperature Range		T_{stg}	−40~150	℃

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	I_{FM}=2.0A, Ta=25℃	−	−	1.2	V
Repetitive Peak Reverse Current	I_{RRM}	V_{RRM}=Rated, T_j=150℃	−	−	0.4	mA

POLARITY

1. CATHODE COMMON
   1B2C1 1G2C1
   1D2C1 1J2C1



2. ANODE COMMON
   1B2Z1 1G2Z1
   1D2Z1 1J2Z1

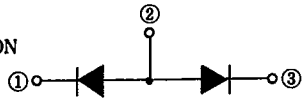
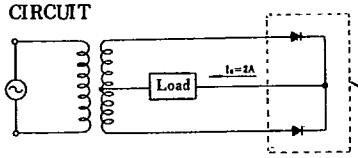
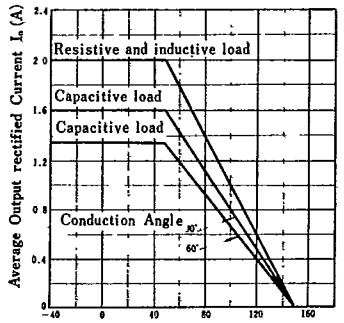


Fig.1 NORMAL CIRCUIT



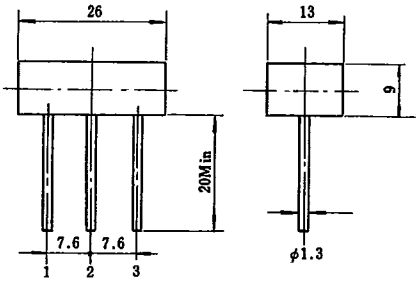
Notes : 1. Soldering : 6 mm is the minimum to be kept between case and soldering part.
2. Lead Bending : 6 mm is the minimum to be kept from the case when bend the lead wire.

I_O − Ta MAX



4J2C41 600V 4A

Unit in mm



JEDEC	
EIAJ	
TOSHIBA	

MAXIMUM RATINGS

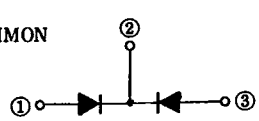
CHARACTERISTIC		SYMBOL	RATING	Unit
Repetitive Peak Reverse Voltage	4B2C41, 4B2Z41	V_{RRM}	100	V
	4D2C41, 4D2Z41		200	
	4G2C41, 4G2Z41		400	
	4J2C41, 4J2Z41		600	
Average Output Rectified Current		I_O	4	A
Peak One Cycle Surge Forward Current (Non-Repetitive) (Ta=25℃)		I_{FSM}	250(50Hz)	A
Junction Temperature		T_j	−20~150	℃
Storage Temperature Range		T_{stg}	−20~140	℃

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	I_{FM}=22A Ta=25℃	−	−	1.2	V
Repetitive Peak Reverse Current	I_{RRM}	V_{RRM}=Rated T_j=150℃	−	−	2.0	mA

POLARITY

1. CATHODE COMMON
   4B2C41 4G2C41
   4D2C41 4J2C41



2. ANODE COMMON
   4B2Z41 4G2Z41
   4D2Z41 4J2Z41

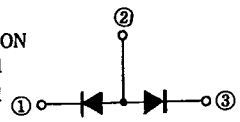
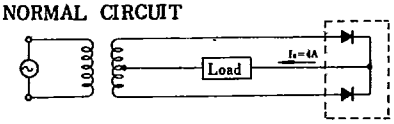


Fig.1 NORMAL CIRCUIT



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_O − Ta MAX