

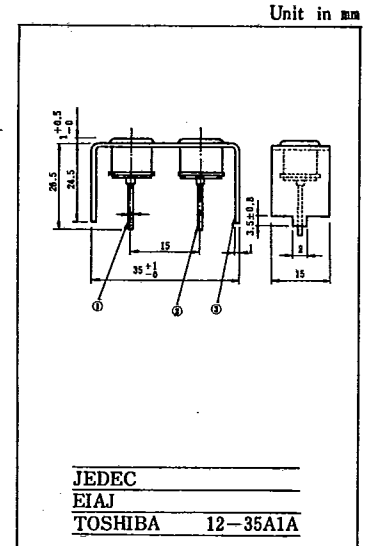
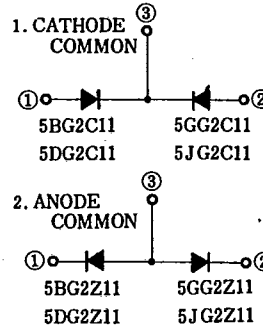
# RECTIFIER STACK (HIGH-SPEED CENTER TAP)

**5JG2C11** 600V 5A

## MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	5BG2C11, 5BG2Z11	100
		5DG2C11, 5DG2Z11	200
		5GG2C11, 5GG2Z11	400
		5JG2C11, 5JG2Z11	600
Average Output Rectified Current (Ta=40°C) (Fig. 1)	$I_O$	5	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	$I_{FSM}$	150(50Hz)	A
Storage Temperature Range	$T_j$	-20~150	°C
Junction Temperature	$T_{jstg}$	-20~150	°C

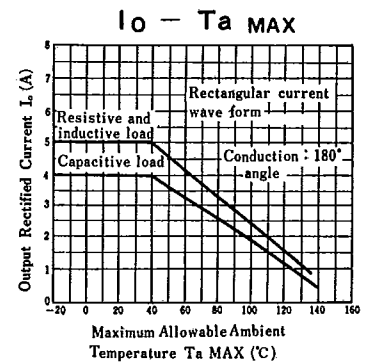
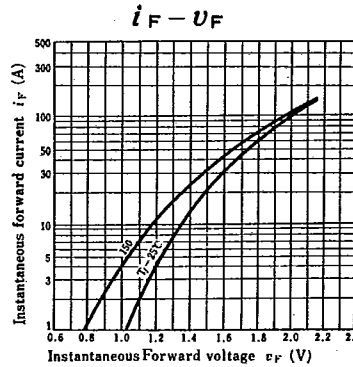
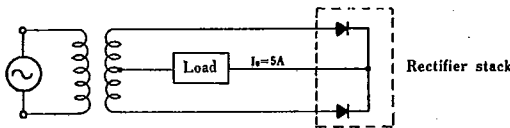
### POLARITY



## ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Peak forward voltage	$V_{FM}$	$I_{FM}=30A, T_a=25^\circ C$	-	-	1.6	V
Repetitive peak reverse current	$I_{RRM}$	$V_{RRM}=\text{Rated}, T_j=150^\circ C$	-	-	6.0	mA
Reverse recovery time	$t_{rr}$	$I_O=1A, V_R=30V, T_a=25^\circ C$	-	-	200	$\mu s$

Fig. 1 NORMAL CIRCUIT



**10JG2C11** 600V 10A

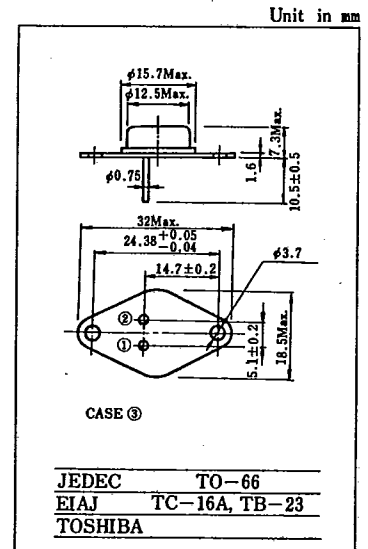
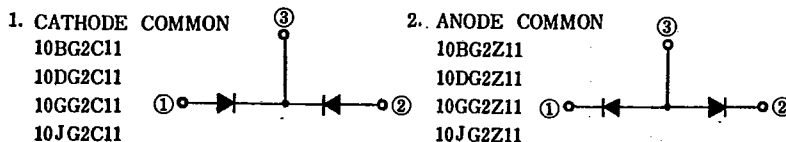
## MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	10BG2C11, 10BG2Z11	100
		10DG2C11, 10DG2Z11	200
		10GG2C11, 10GG2Z11	400
		10JG2C11, 10JG2Z11	600
Average Output Rectified Current	$I_O$	10	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	$I_{FSM}$	60(50Hz)	A
Junction Temperature	$T_j$	-40~150	°C
Storage Temperature Range	$T_{stg}$	-40~150	°C

## ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM}=10A$	-	-	1.6	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM}=\text{Rated}, T_j=150^\circ C$	-	-	3.0	mA
Reverse Recovery Time	$t_{rr}$	$I_{FSM}=10A$ $di/dt=10A/\mu s$	-	-	700	$\mu s$

### POLARITY



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