

16kV 1A

MAXIMUM RATINGS

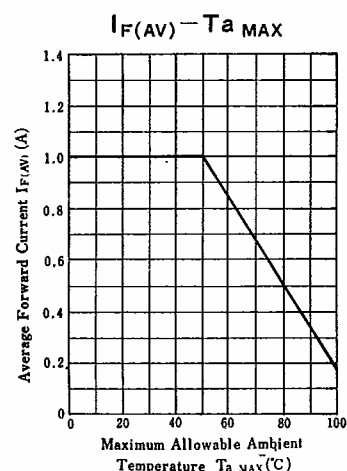
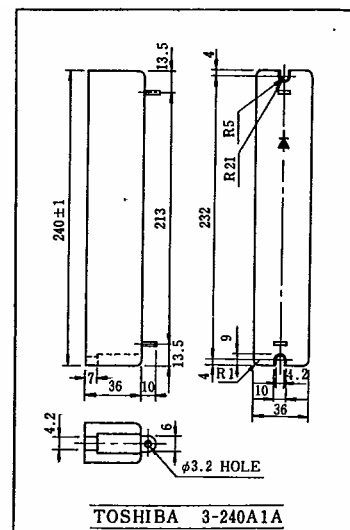
CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	16	kV
Non-Repetitive Peak Reverse Voltage	V_{RSM}	30	kV
Average Forward Current	$I_{F(AV)}$	1	A
Peak One Cycle Surge Forward Current (Non-Repetitive) (50Hz Base)	I_{FSM}	30(5 Cycle)	A
		60(1 Cycle)	
Peak Forward Voltage (Note 2)	T_a	-40~50	°C
Storage Temperature Range	T_{stg}	-40~100	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=2A, T_a=25^{\circ}C$	—	33	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=16kV, T_i=25^{\circ}C$	—	450	μA

Notes : 1. Operated in insufficient ventilation or closed to each other forced air is required.

2. See $I_{F(AV)} - T_{a \text{ MAX}}$ curve in case of ambient temperature 50°C up.



S5105

15kV 2A

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	15	kV
Non-Repetitive Peak Reverse Voltage	V_{RSM}	30	kV
Average Forward Current	$I_{F(AV)}$	2	A
Peak One Cycle Surge Forward Current (Non-Repetitive) (50Hz Base)	I_{FSM}	50(5 Cycle)	A
		120(1 Cycle)	
Ambient Temperature (Note 2)	T_a	-40~50	°C
Storage Temperature Range	T_{stg}	-40~100	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=5A, T_a=25^{\circ}C$	—	31	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=15kV, T_j=25^{\circ}C$	—	500	μA
		$V_{RRM}=15kV, T_j=100^{\circ}C$	—	800	μA

Notes : 1. Operated in insufficient ventilation or closed to each other forced air is required.

2. See $I_{F(AV)} - T_{a \text{ MAX}}$ curve in case of ambient temperature 50°C up.

