

0R6QXZ33A 12kV 0.6A**MAXIMUM RATINGS**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	0R6JXZ33A	6	kV
	0R6LXZ33A	8	
	0R6QXZ33A	12	
Average Forward Current	$I_{F(AV)}$	600	mA
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	24(50Hz)	A
Junction Temperature	T_j	-40~100	°C
Storage Temperature Range	T_{stg}	-40~100	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MAX.	UNIT
Peak Forward Voltage	0R6JXZ33A	$I_{FM}=600\text{mA}$, $T_a=25^\circ\text{C}$	8.0	V
	0R6LXZ33A		9.5	
	0R6QXZ33A		12	
Repetitive Peak Reverse Voltage	0R6JXZ33A	$V_{RRM}=6\text{kV}$, $T_j=25^\circ\text{C}$	700	μA
	0R6LXZ33A	$V_{RRM}=8\text{kV}$, $T_j=25^\circ\text{C}$		
	0R6QXZ33A	$V_{RRM}=12\text{kV}$, $T_j=25^\circ\text{C}$		

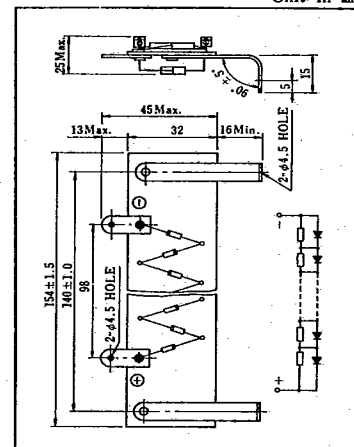
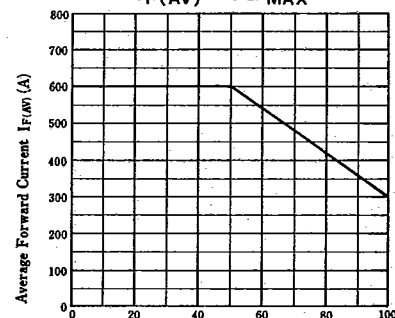
0R6UXZ33A 16kV 0.6A**MAXIMUM RATINGS**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	16	kV
Average Forward Current	$I_{F(AV)}$	600	mA
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	24(50Hz)	A
Junction Temperature	T_j	-40~100	°C
Storage Temperature Range	T_{stg}	-40~100	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	CONDITION	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=600\text{mA}$, $T_a=25^\circ\text{C}$	16	V
Repetitive Peak Reverse Voltage	V_{RRM}	$V_{RRM}=16\text{kV}$, $T_j=25^\circ\text{C}$	700	μA

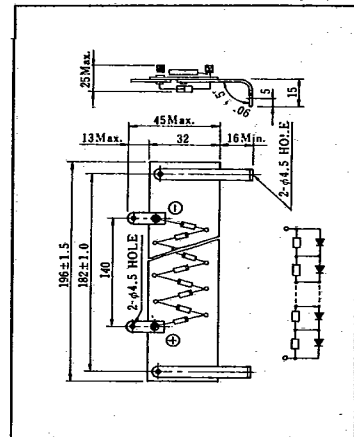
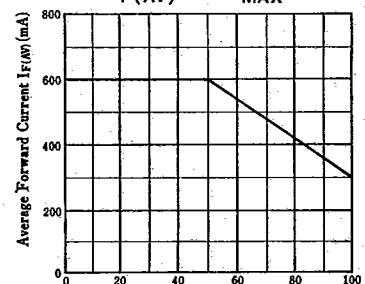
Unit in mm

 $I_{F(AV)} - T_a \text{ MAX}$ Maximum Allowable Ambient Temperature $T_a \text{ MAX (}^\circ\text{C)}$

Multiply the value by the following coefficient when operating the rectifying element on DC 3 phases or 6 phases.

DC-1.1 120° (3φ)-0.9 60° (6φ)-0.7

Unit in mm

 $I_{F(AV)} - T_a \text{ MAX}$ Maximum Allowable Ambient Temperature $T_a \text{ MAX (}^\circ\text{C)}$

Multiply the value by the following coefficient when operating the rectifying element on DC 3 phases or 6 phases.

DC-1.1 120° (3φ)-0.9 60° (6φ)-0.7