

SWITCHING TYPE POWER SUPPLY APPLICATION.  
CONVERTER & CHOPPER APPLICATION.

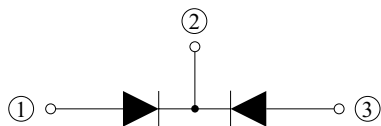
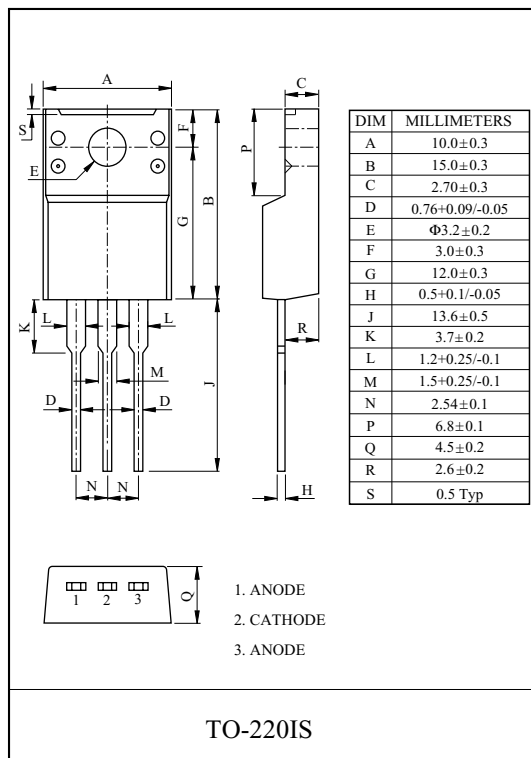
### FEATURES

- Average Output Rectified Current  
:  $I_O=20A$ .
- Repetitive Peak Reverse Voltage  
:  $V_{RRM}=100V$ .
- Fast Reverse Recovery Time :  $t_{rr}=35ns$ .

### MAXIMUM RATING (Ta=25 °C)

| CHARACTERISTIC                                             | SYMBOL    | RATING    | UNIT |
|------------------------------------------------------------|-----------|-----------|------|
| Repetitive Peak Reverse Voltage                            | $V_{RRM}$ | 100       | V    |
| Average Output Rectified Current (Note)                    | $I_O$     | 20        | A    |
| Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz) | $I_{FSM}$ | 100       | A    |
| Junction Temperature                                       | $T_j$     | -40 ~ 150 | °C   |
| Storage Temperature Range                                  | $T_{stg}$ | -55 ~ 150 | °C   |

Note : average forward current of centertap full wave connection.



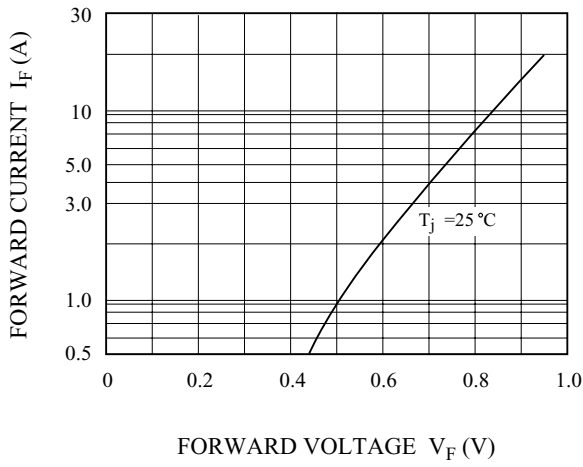
### ELECTRICAL CHARACTERISTICS (Ta=25 °C)

| CHARACTERISTIC                         | SYMBOL        | TEST CONDITION               | MIN. | TYP. | MAX. | UNIT |
|----------------------------------------|---------------|------------------------------|------|------|------|------|
| Peak Forward Voltage (Note)            | $V_{FM}$      | $I_{FM}=10A$                 | -    | -    | 0.85 | V    |
| Repetitive Peak Reverse Current (Note) | $I_{RRM}$     | $V_{RRM}=\text{Rated}$       | -    | -    | 150  | μA   |
| Reverse Recovery Time (Note)           | $t_{rr}$      | $I_F=1.0A, di/dt=-30A/\mu s$ | -    | -    | 35   | ns   |
| Thermal Resistance (Note)              | $R_{th(j-c)}$ | Junction to Case             | -    | -    | 3.5  | °C/W |

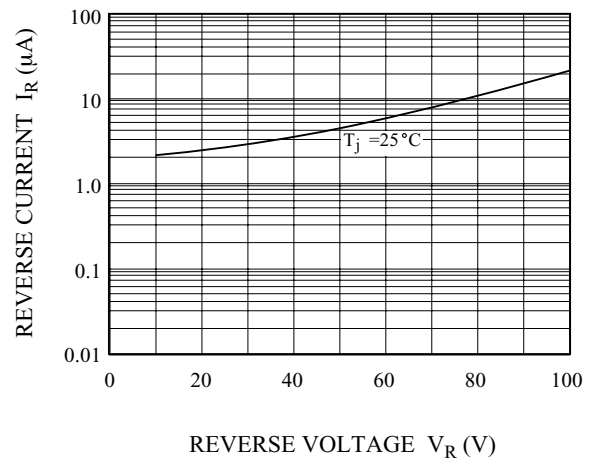
Note : A value of one cell

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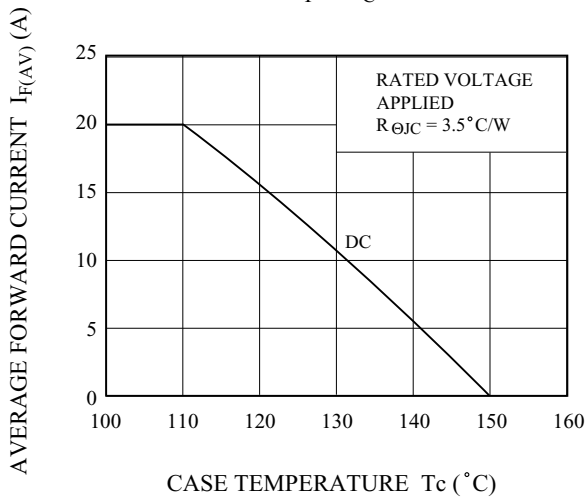
$I_F - V_F$



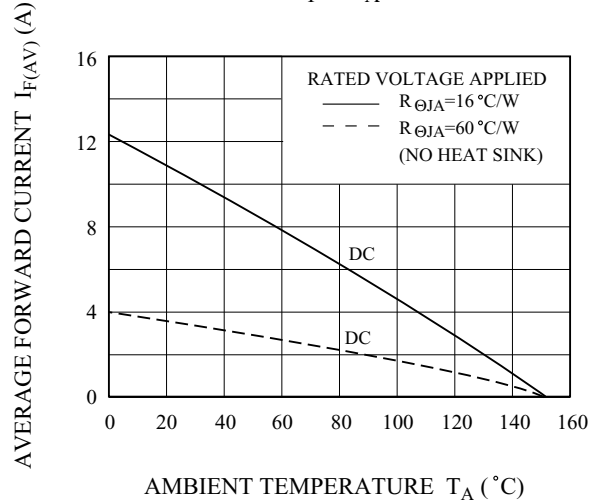
$I_R - V_R$



$I_F - T_C$



$I_F - T_A$



$P_{F(AV)} - I_{F(AV)}$

