

SWITCHING TYPE POWER SUPPLY APPLICATION.  
CONVERTER & CHOPPER APPLICATION.

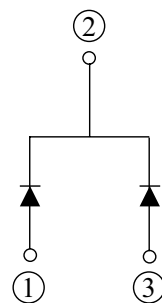
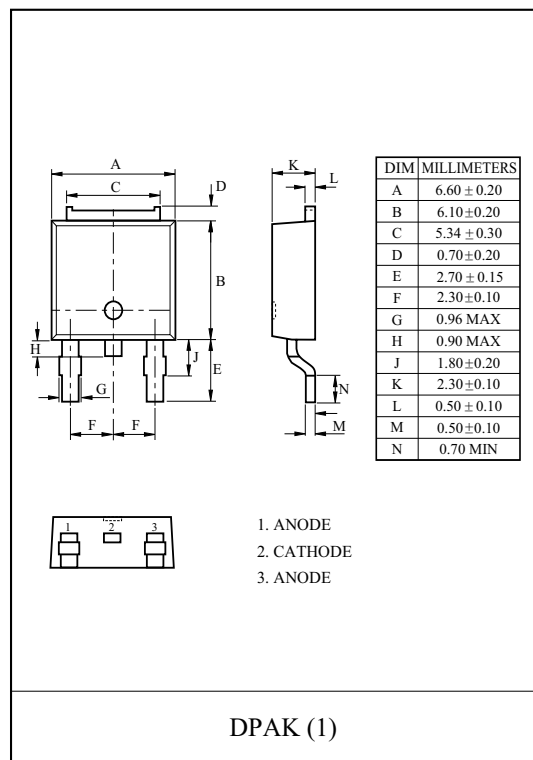
## FEATURES

- Average Output Rectified Current  
:  $I_O=10A$ .
- Repetitive Peak Reverse Voltage  
:  $V_{RRM}=60V$ .

MAXIMUM RATING ( $T_a=25^\circ C$ )

| CHARACTERISTIC                                                | SYMBOL    | RATING  | UNIT |
|---------------------------------------------------------------|-----------|---------|------|
| Repetitive Peak Reverse Voltage                               | $V_{RRM}$ | 60      | V    |
| Average Output Rectified Current ( $T_c=114^\circ C$ ) (Note) | $I_O$     | 10      | A    |
| Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)    | $I_{FSM}$ | 45      | A    |
| Junction Temperature                                          | $T_j$     | -40 150 |      |
| Storage Temperature Range                                     | $T_{stg}$ | -55 150 |      |

Note : average forward current of centertap full wave connection.

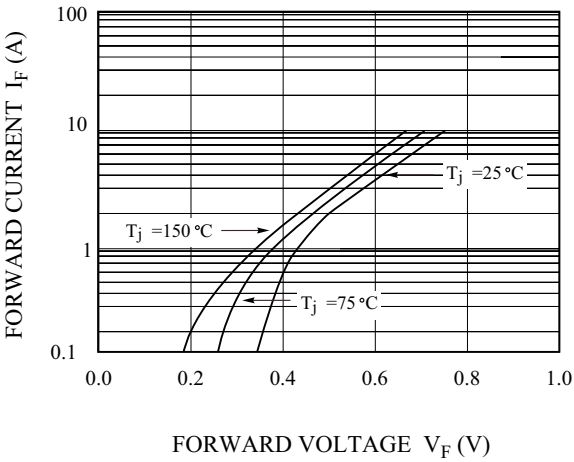
ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ C$ )

| CHARACTERISTIC                         | SYMBOL        | TEST CONDITION   | MIN. | TYP. | MAX. | UNIT    |
|----------------------------------------|---------------|------------------|------|------|------|---------|
| Peak Forward Voltage (Note)            | $V_{FM}$      | $I_{FM}=5A$      | -    | -    | 0.75 | V       |
| Repetitive Peak Reverse Current (Note) | $I_{RRM}$     | $V_{RRM}=60V$    | -    | -    | 50   | $\mu A$ |
| Thermal Resistance (Note)              | $R_{th(j-c)}$ | Junction to Case | -    | -    | 6.0  | /W      |

Note : A value of one cell

# MBRD10U60CT

$I_F - V_F$



$I_R - V_R$

