

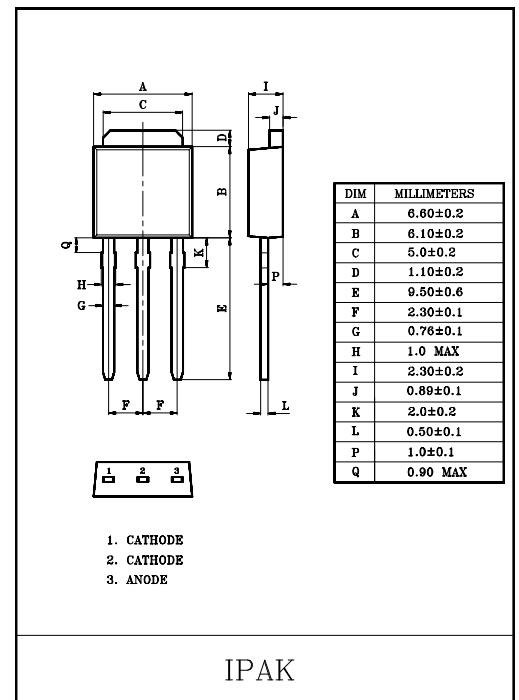
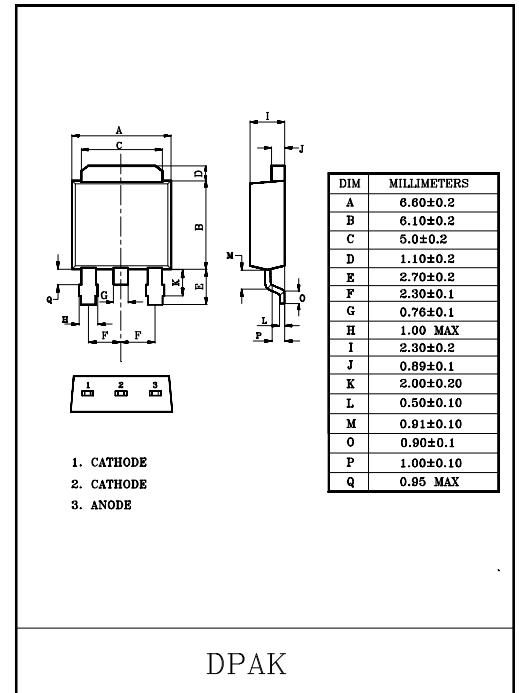
SWITCHING TYPE POWER SUPPLY APPLICATION.
CONVERTER & CHOPPER APPLICATION.

FEATURES

- Average Output Rectified Current
: $I_O=3A$ ($T_c=125^\circ C$).
- Repetitive Peak Reverse Voltage
: $V_{RRM}=30V$.
- Fast Reverse Recovery Time : $t_{rr}=35ns$.
- Low Peak Forward Voltage : $0.40V(Typ.)$
- B3A30VD : DPAK
B3A30VL : IPAK

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

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|--|-----------|-----------|------------|
| Repetitive Peak Reverse Voltage | V_{RRM} | 30 | V |
| Average Output Rectified Current ($T_c=125^\circ C$) | I_O | 3 | A |
| Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz) | I_{FSM} | 70 | A |
| Junction Temperature | T_j | -40 ~ 150 | $^\circ C$ |
| Storage Temperature Range | T_{stg} | -55 ~ 150 | $^\circ C$ |



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

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|---------------------------------|---------------|------------------------------|------|------|------|--------------|
| Peak Forward Voltage | V_{FM} | $I_{FM}=3A, T_c=25^\circ C$ | - | 0.40 | 0.45 | V |
| Repetitive Peak Reverse Current | I_{RRM} | $V_{RRM}=\text{Rated}$ | - | - | 0.5 | mA |
| Reverse Recovery Time | t_{rr} | $I_F=1.0A, di/dt=-20A/\mu s$ | - | - | 35 | ns |
| Thermal Resistance | $R_{th(j-c)}$ | Junction to Case | - | - | 10 | $^\circ C/W$ |

B3A30VD/VL

