# UGZ10DCF THRU UGZ10JCF

## ULTRAFAST EFFICIENT RECTIFIERS

*Reverse Voltage - 200 to 600 Volts* *Forward Current - 10 Amperes*

## FEATURES

## MECHANICAL DATA

**Case :** JEDEC ITO-220AB molded plastic body
**Terminals :** Plated Leads, solderable per MIL-STD-750, Method 2026
**Polarity :** Molded on body
**Mounting Position :** Any
**Weight :** 2.24 grams(Approximately)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

| *Ratings at 25 °C ambient temperature unless otherwise specified.* | *SYMBOLS* | ***UGZ10DCF*** | ***UGZ10GCF*** | ***UGZ10JCF*** | *UNITS* |
|---|---|---|---|---|---|
| Maximum repetitive peak reverse voltage | $V_{RRM}$ | 200 | 400 | 600 | Volts |
| Working peak reverse voltage | $V_{RWM}$ | 200 | 400 | 600 | |
| Maximum RMS voltage | $V_{RMS}$ | 140 | 280 | 420 | |
| Maximum DC blocking voltage | $V_{DC}$ | 200 | 400 | 600 | |
| Maximum average forward rectified current See Fig. 1 | $I_{(AV)}$ | | 10 | | Amps |
| Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method) | $I_{FSM}$ | | 125 | | Amps |
| | | | | | |
| Maximum DC reverse current at rated DC blocking voltage @$T_A$=25 | $I_R$ | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |