

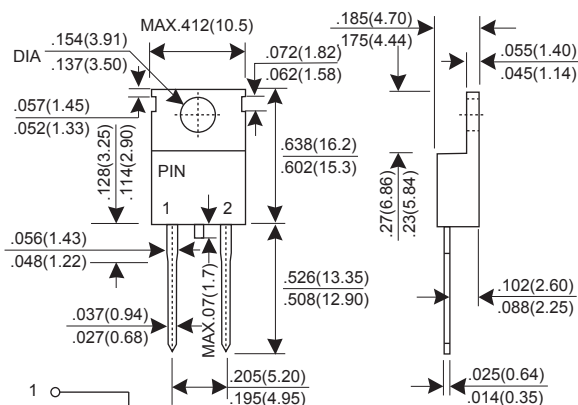


Glass Passivated Hyperfast Recovery Rectifier

- ★ Fast switching for high efficiency
- ★ Low noise
- ★ $T_{rr} = 30\text{ns}$
- ★ Low reverse leakage current
- ★ High voltage super FRD
- ★ PFC application

- ★ Case: Molded plastic TO-220AC
- ★ Epoxy: UL 94V-0 rate flame retardant ,
- ★ Terminals: Solderable per MIL-STD-202 method 208
- ★ Mounting position: Any
- ★ Weight: 2.07 grams

TO-220AC



Dimensions in inches and (millimeters)

For capacitive load, derate current by 20%.

NOTES : (1) Reverse recovery test conditions : $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$.
(2) Junction Capacitance test conditions : $V_R = 10V$, $I_F = 0A$.
(3) Thermal Resistance junction to case.

RATINGS AND CHARACTERISTIC CURVES HFR15A06

FIG.1 - FORWARD CURRENT DERATING CURVE

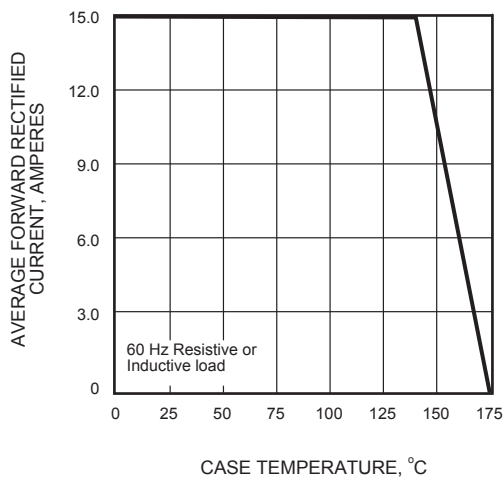


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

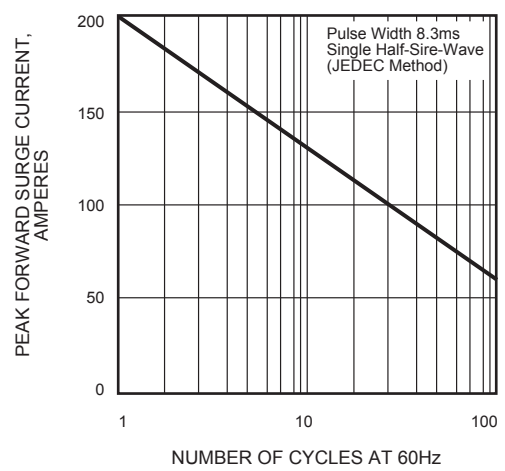


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

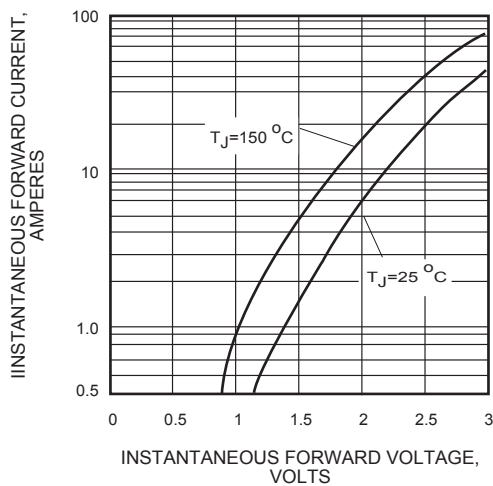


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

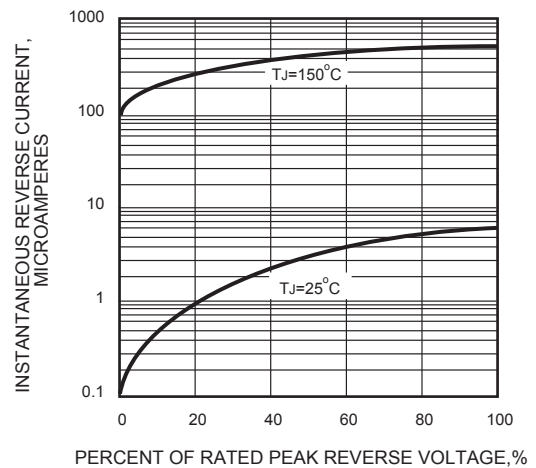


FIG.5 - T_{rr} , t_a AND t_b CURVES vs FORWARD CURRENT

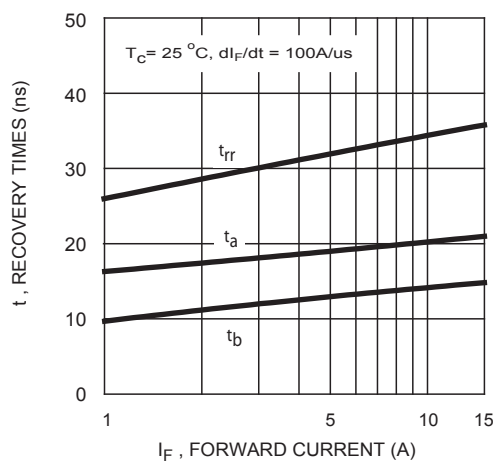
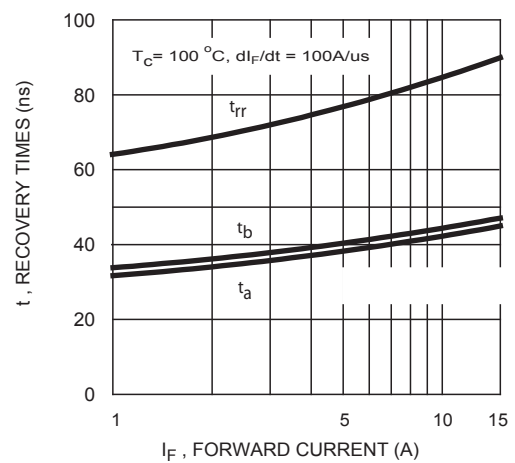


FIG.6 - T_{rr} , t_a AND t_b CURVES vs FORWARD CURRENT



RATINGS AND CHARACTERISTIC CURVES HFR15A06

FIG.7 - T_{rr} , t_a AND t_b CURVES vs FORWARD CURRENT

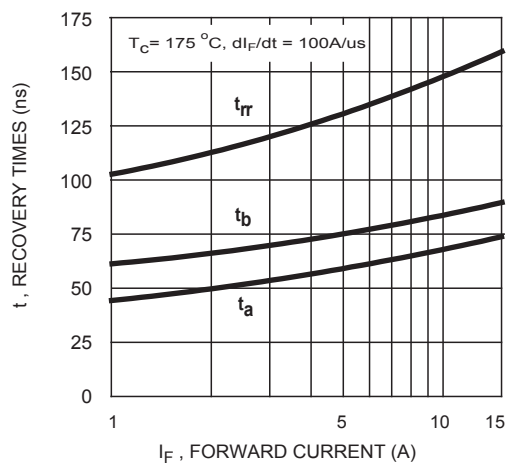
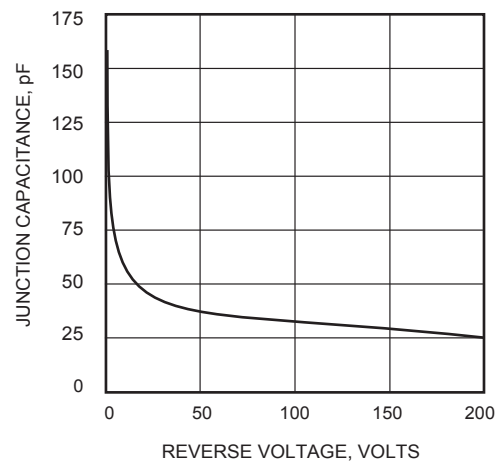


FIG.8 - TYPICAL JUNCTION CAPACITANCE



This datasheet has been downloaded from:

www.EEworld.com.cn

Free Download

Daily Updated Database

100% Free Datasheet Search Site

100% Free IC Replacement Search Site

Convenient Electronic Dictionary

Fast Search System

www.EEworld.com.cn

This datasheet has been downloaded from:

www.EEworld.com.cn

Free Download

Daily Updated Database

100% Free Datasheet Search Site

100% Free IC Replacement Search Site

Convenient Electronic Dictionary

Fast Search System

www.EEworld.com.cn