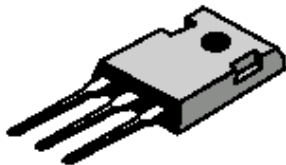
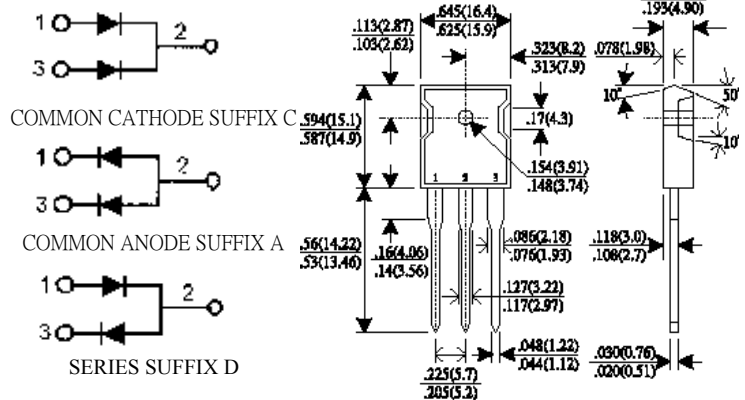


Description

UFP60C30~60



Mechanical Dimensions



TO-247(TO-3P)

DIMENSION IN mm(inch)

Feature

- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Current capability
- Outline Free Pb

Mechanical Data

- Case: TO-247 Molded Plastic
- Epoxy: UL94-V Rate Flame Retardant
- Terminals: Lead Solderable per MIL-STD-202 Method 208 Guaranteed
- Weight: 5.6 grams(approx.)

Max Ratings at Ta=25C Unless Otherwise Specified

Characteristic	Symbol	UFP60C					Unit
		20	30	40	50	60	
Peak Repetitive Reverse Voltage	Vrrm	200	300	400	500	600	V
working Peak Reverse Voltage	Vrwm	200	300	400	500	600	V
DC Blocking Voltage	Vdc	200	300	400	500	600	V
RMS Reverse Voltage	Vr(rms)	140	210	280	350	420	V
Forward Continuous Current ; per leg/ package	IF(AV)	30/60					mA
non-Repetitive peak Surge Current Halfwave single phase, 60Hz	IFSM	450					A
Max Forward Voltage IF=30A @25C	Vf	1.0	1.5		1.75		V
Max Forward Voltage IF=30A @100C		0.88	1.32		1.57		
Reverse Leakage Current; note. 1@ 25C/125C	Ir	0.03/3.0					mA
Reverse Recovery Time(If=0.5A, Ir=1.0A, Irr=0.25A)	Trr	50	100			ns	
Operating & torage Temp. Range	Tj/Ts	-65~+150					C
Thermal Resistance Junction to Case	Rthjc	4.0					C/W
Typical Diode Capacitance Vr=4V, f=1.0MHZ	Cd	290			260		pF

Note: 2. Pulse width<=300us, duty cycle<=2%

60 Amp Dual Super Fast Power Rectifiers

UFP60C30~60

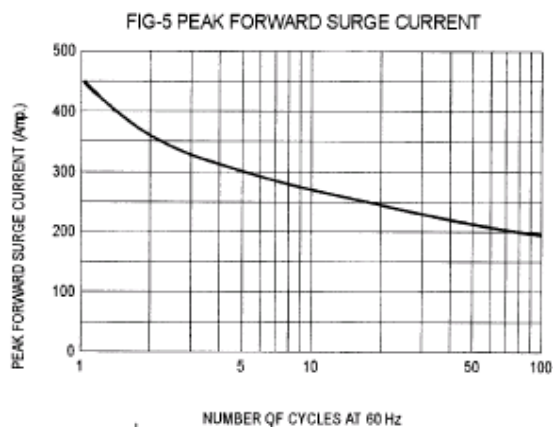
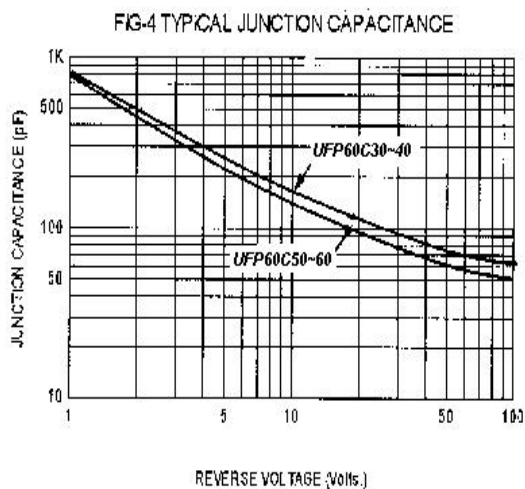
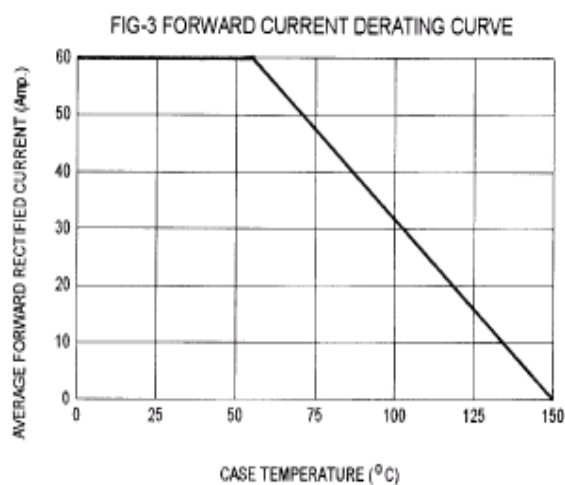
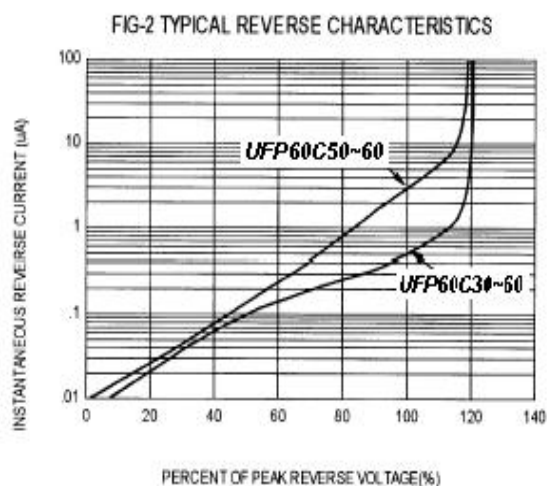
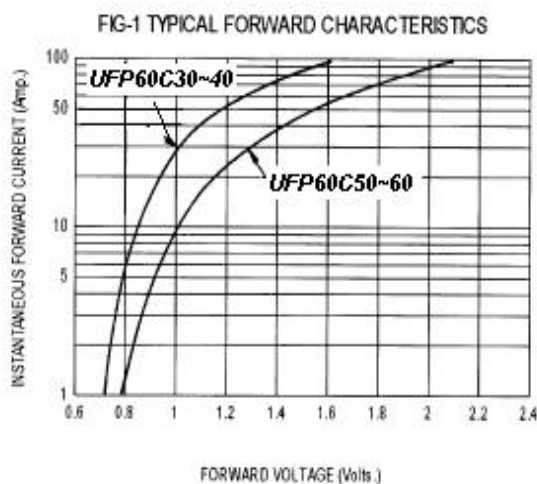
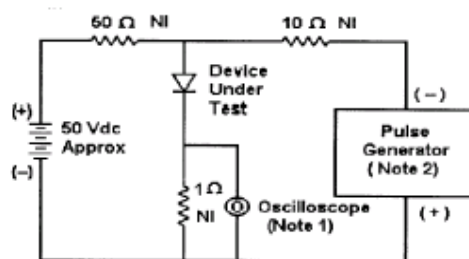


Fig-6 Reverse Recovery Time Characteristic and Test Circuit Diagram



Notes:

1. Rise Time = 7 ns max. Input Impedance = 1 M Ω, 22 pF
2. Rise Time = 10 ns max. Input Impedance = 50 Ω