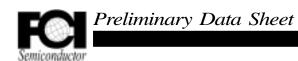


Features

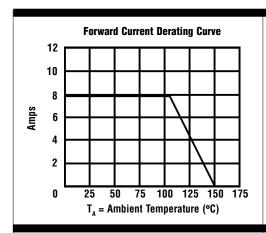
- **LOW FORWARD VOLTAGE**
- **HIGH SURGE CAPABILITY**

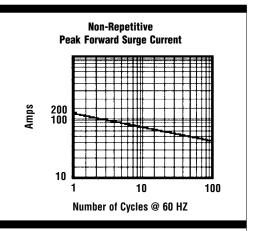
- SUPERFAST RECOVERY TIME
- MEETS UL SPECIFICATION 94V-0

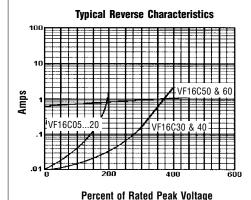
Electrical Characteristics @	VF16C05 60 Series								Units	
Maximum Ratings		05	10	15	20	30	40	50	60	
Peak Repetitive Reverse VoltageV _{RRM}		50	100	150	200	300	400	500	600	Volts
Working Peak Reverse VoltageV _{RWM}		50	100	150	200	300	400	500	600	Volts
DC Blocking VoltageV _{DC}		50	100	150	200	300	400	500	600	Volts
RMS Reverse Voltage $V_{\rm R(rms)}$		35	70	105	140	210	280	350	420	Volts
Average Forward Rectified CurrentI _{F(av)} $T_{c} = 150^{\circ}C @ Rated V_{DC}$		8.0								Amps Amps
Repetitive Peak Forward Surge CurrentI _{FM} @ Rated V_{DC} , Square Wave, 20 KHZ, T_{C} = 150°C		16								Amp
Non-Repetitive Peak Forward Surge CurrentI _{FSM} @ Rated Load Cond., ½ Wave, Single Phase, 601		125								Amp
Forward Voltage V_F @ $I_F = 8$ Amps, PW = $300\mu S$						> < 1 > < 1	.1 > .4 >	< 1 < 1	.3 > .6 >	Volts Volts
DC Reverse CurrentI _R @ Rated DC Blocking Voltage $T_c = 150^{\circ}C$ $T_c = 25^{\circ}C$				250 5.0		.><		500 .10	>	μAmp μAmp
Reverse Recovery Time t_{RR} $I_F = 1.0$ Amp, di/dt = 50 Amps/ μ s		<> < 50> < 75>								nS
Operating & Storage Temperature RangeT _J , T _{STRG}										

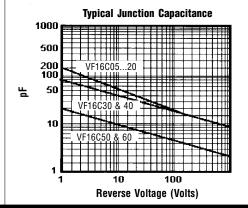


16 Amp SUPERFAST POWER RECTIFIERS





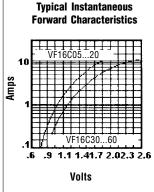


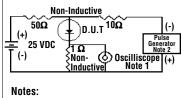


0A

-.25A

-1.0A





- Rise Time = 7 nS Max. Impedance = 1 megohm, 22 pF
 Rise Time = 10 nS Max.
- 2. Rise Time = 10 nS Max. Source Impedance = 50 Ohms



Reverse Recovery Characteristics



Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 HZ Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.