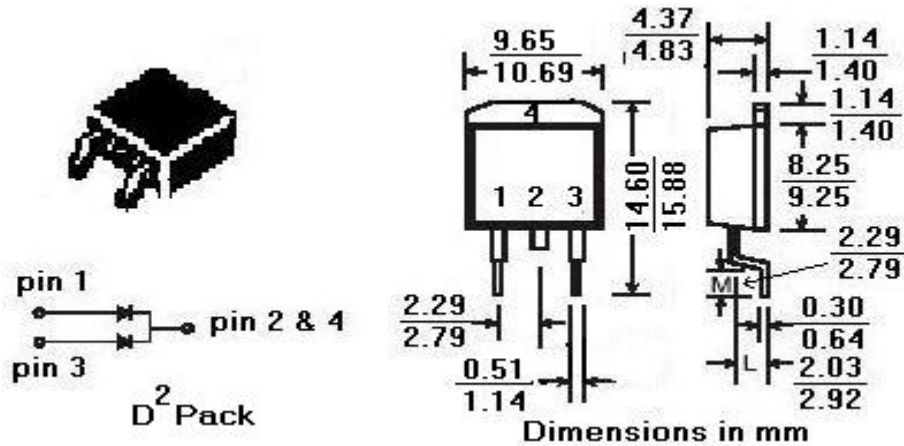


16.0AMP SUPER FASTER RECOVERY RECTIFIERS

UFD16C10~60



Features

- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability

Mechanical Data

- Case Molded Plastic
- * Epoxy: UL 94-0 Rate Flame Retardant
- Lead, Solderable per MIL-STD-202, Method 208 Guaranteed
- Weight: 2.24 grams

Max Ratings 25C	Symbol	UFD10C10	UFD10C20	UFD10C30	UFD10C40	UFD10C50	UFD10C60	UNITS
Peak Repetitive Reverse Voltage	V _{rrm}	100	200	300	400	500	600	V
working Peak Reverse Voltage	V _{rwm}	100	200	300	400	500	600	V
DC Blocking Voltage	V _{dc}	100	200	300	400	500	600	V
RMS Reverse Voltage	V _{r(rms)}	70	140	210	280	350	420	V
Average Forward Rectified Current per leg T _c =150C @ Rated V _{dc}	I _{F(av)}	16	16	16	16	16	16	A
Repetitive Peak Forward Surge Current @ Rated V _{dc} Square Wave, 20KHz, T _c =150C	I _{fm}	16	16	16	16	16	16	A
Non-Repetitive Peak Forward Surge Current @ Rated Load Cond., 1/2 Wave, Single Phase, 60Hz	I _{fsm}	125						A
Operating & storage Temp. Range	T _j /T _s	-65~+150						C
Max Forward Voltage @ I _f =8Amps, PW=300us, T _c =25C	V _f	0.975	0.975	1.3	1.3	1.5	1.5	A
Max DC Reverse Current @ Rated DC Blocking Voltage T _c =125C / T _c =25C	I _r	10						uA
Max. Reverse Recovery Time @ I _f =0.5A, I _r =1A, I _{rr} =0.25A	T _{rr}	35	35		50	50	50	nA
Typical Thermal Resistance Junction to Case	R _{thjc}	1.5						C/W

16.0AMP SUPER FASTER RECOVERY RECTIFIERS

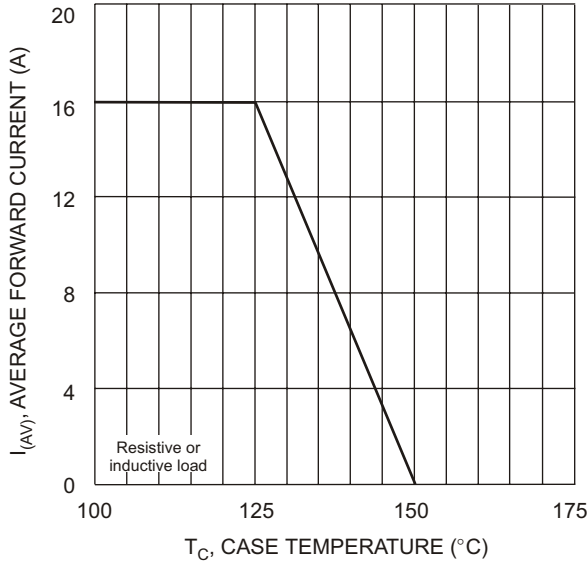


Fig. 1 Forward Current Derating Curve

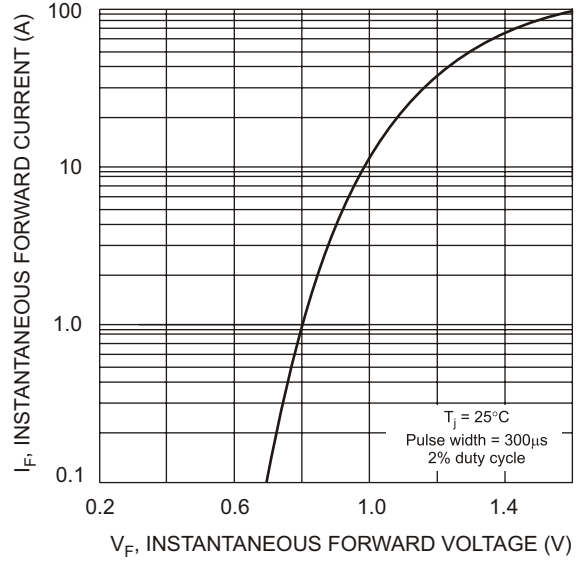


Fig. 2 Typical Forward Characteristics per Element

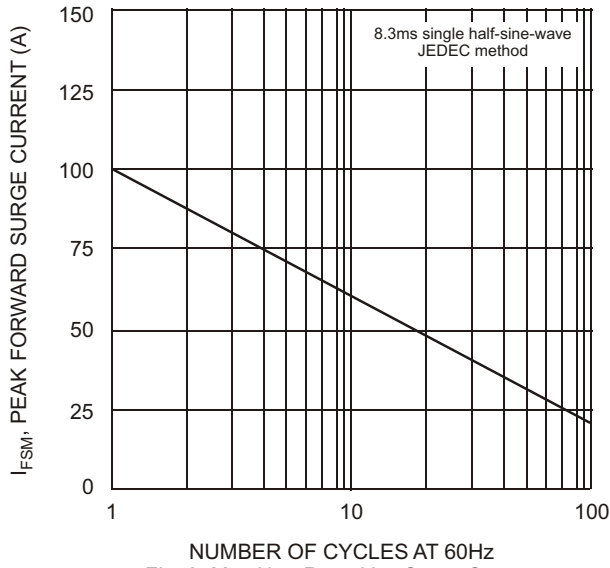


Fig. 3 Max Non-Repetitive Surge Current

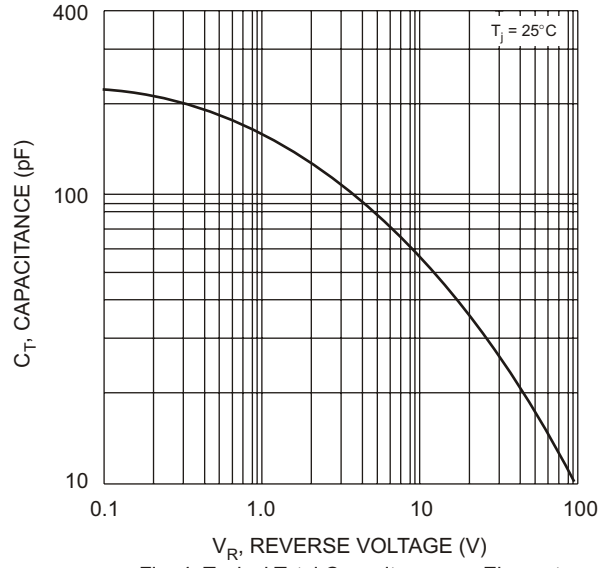


Fig. 4 Typical Total Capacitance per Element

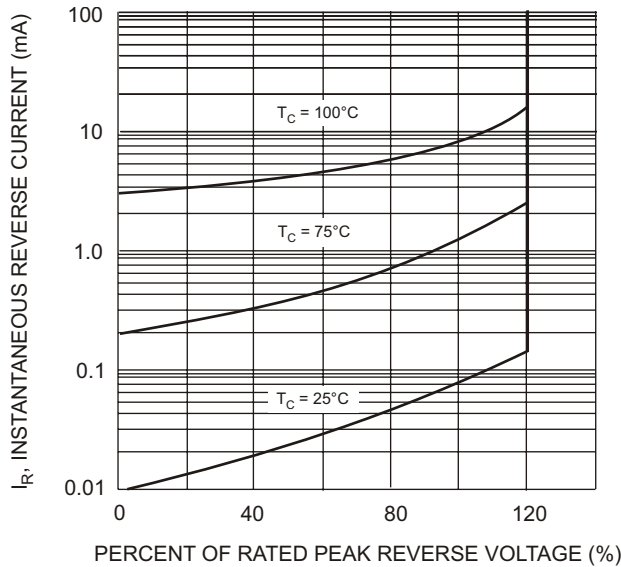


Fig. 5 Typical Reverse Characteristics