

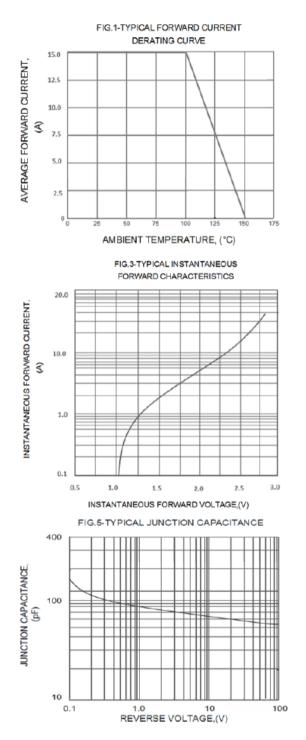
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load.

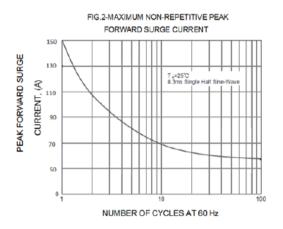
For capacitive load, derate current by 20%
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Characteristics	Symbol	UF15S06ST	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	600	V
Maximum RMS Reverse Voltage	V _{RMS}	420	V
Maximum DC blocking voltage	V _{DC}	600	V
Maximum Instantaneous Forward Voltage at 15A	V _F	2.3	v
Maximum DC Reverse Current @TA=25°C at Rated DC Blocking Voltage @TA=125°C	I _R	10 200	μΑ
Maximum Average Forward Rectified Current	l _F	15	A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	150	А
Maximum Reverse Recovery Time (I _F =0.5A,I _R =1A, Irr=0.25A)	Trr	25	nS
Typical Junction Capacitance	CJ	65	pF
Typical Thermal Resistance Junction to Case	R _{θJC}	3	°C/W
Junction and StorageTemperature Range	T _{J,} T _{STG}	-55 to +150	°C

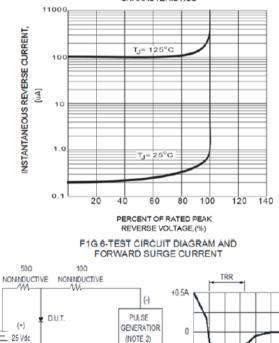


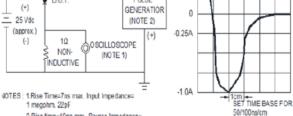
Rating and Characteristic Curves







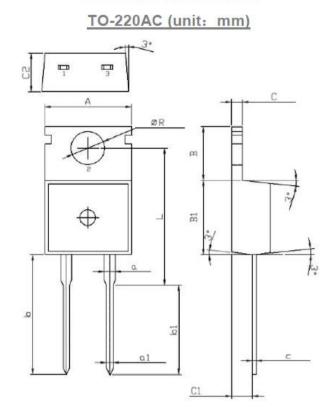




2.Rise time=10ns max. Source Impedance= 50 chms



PACKAGE DIMENSION



Cumphiel	Dimensions In Millimeters		Cumhol	Dimensions In Millimeters	
Symbol	Min	Max	Symbol	Min	Max
A	9.8	10.2	B	6.3	6.7
R	3.56	3.64	B1	9.0	9.4
L	15.7	16.1	C1	2.2	2.6
b	12 <mark>.</mark> 6	13.6	C	1.2	1.4
b1	9.6	10 .6	с	0.4	0.6
а	1.22	1.32	C2	4.3	4.7
a1.	0.7	0.9			