

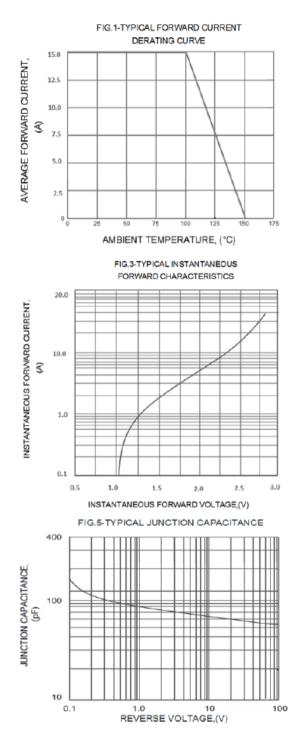
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load.

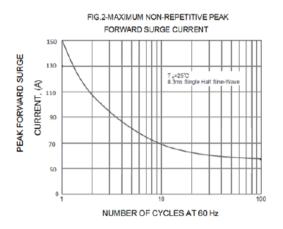
For capacitive load, derate current by 20%
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Characteristics	Symbol	UF15S06ST	Unit
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	600	V
Maximum RMS Reverse Voltage	V <sub>RMS</sub>	420	V
Maximum DC blocking voltage	V <sub>DC</sub>	600	V
Maximum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

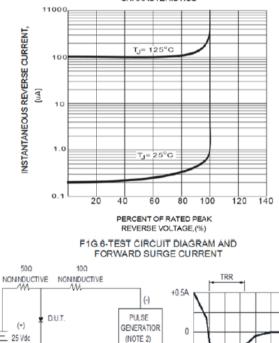


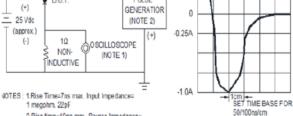
## **Rating and Characteristic Curves**







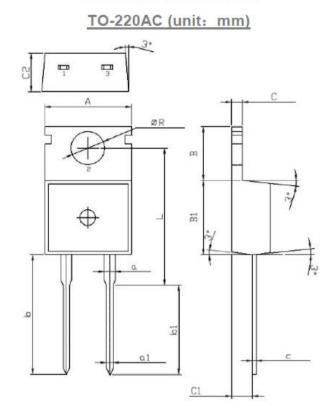




2.Rise time=10ns max. Source Impedance= 50 chms



## PACKAGE DIMENSION



Cumphiel	<b>Dimensions In Millimeters</b>		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	<b>10</b> .6	с	0.4	0.6
а	1.22	1.32	C2	4.3	4.7
a1.	0.7	0.9			