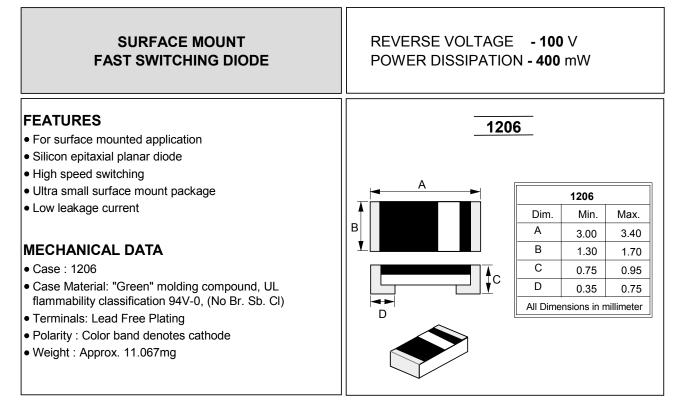


LS4148W



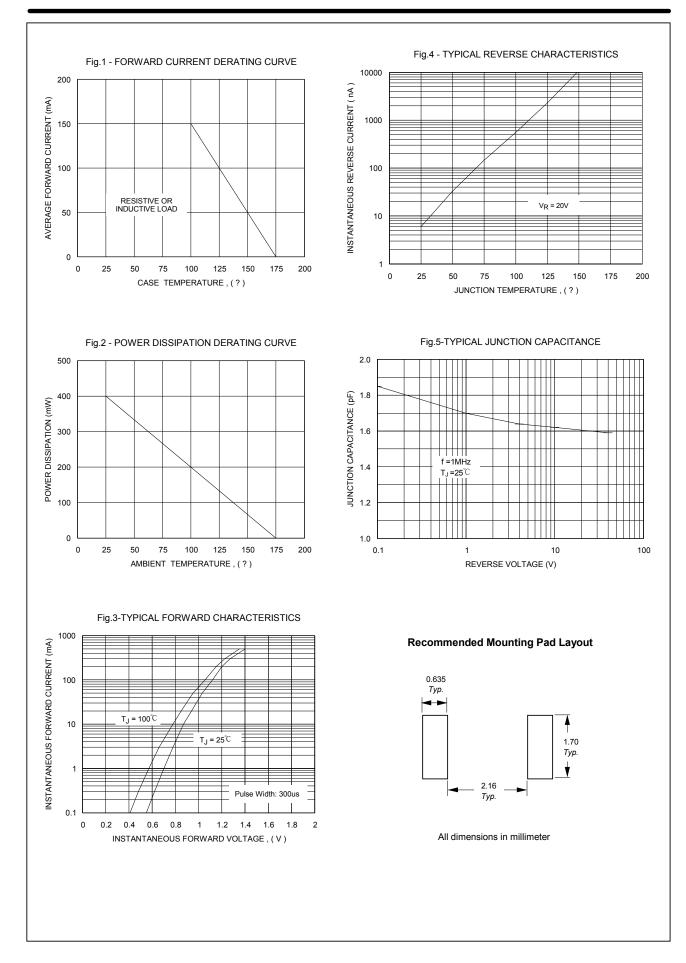
Maximum Ratings and Thermal Characteristics $@ T_A = 25^{\circ}C$ unless otherwise specified

Characteristic		Symbol	Value	Units	
Reverse Voltage		V _{RRM}	75	V	
Non-Repetitive Peak Reverse Voltage		V _{RSM}	100	V	
Forward Continuous Current		I _{FM}	300	mA	
Average Rectified Output Currnet		I _{AV}	150	mA	
Forward Surge Current at	Tp = 1.0 s Tp = 1.0 us	I _{FSM}	800 2.0	mA A	
Total Power Dissipation		P _d	400	mW	
Typical Thermal Resistance Junction to Ambiant Junction to Case		R _{θJA} R _{θJC}	375 120	°C /W	
Operating and Storage Temperature Range		T _J , T _{STG}	-65 to +175	°C	

Electrical Characteristics @ $T_A = 25^{\circ}C$ unless otherwise specified

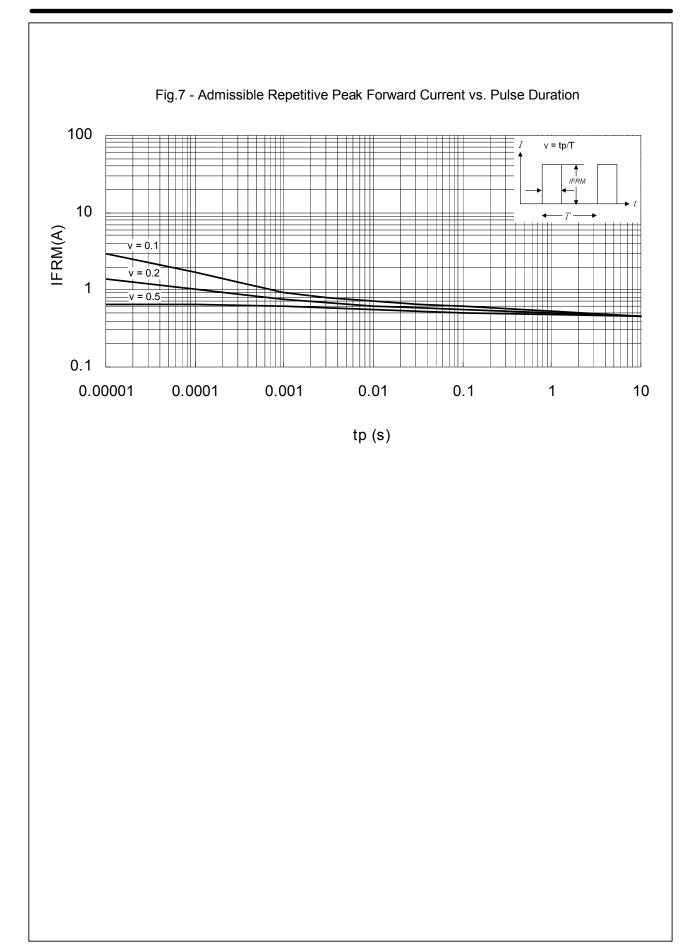
Parameters	Symbol	Test Condition	Min.	Max.	Unit	
Reverse Breakdown Voltage	V _{BR}	IR = 1uA	100		V	
Forward Voltage	V _F	IF = 10mA		1.0	V	
Reverse Leakage Current	I _R	VR = 20V VR = 75V VR = 20V, T _J =150℃ VR = 75V, T _J =150℃		25 5.0 50 60	nA uA uA uA	
Junction Capacitance	CJ	VR = 0V ; F = 1MHz		4	pF	
Reverse Recovery Time	T _{rr}	IF = IR=10mA ; RL = 100Ω measured at IR=1mA		4	ns	
					REV. 9, Sep-2012, KSYS01	

RATING AND CHARACTERISTIC CURVES



LITEON

RATING AND CHARACTERISTIC CURVES LS4148W



LITE ON



Important Notice and Disclaimer

LSC reserves the right to make changes to this document and its products and specifications at any time without notice. Customers should obtain and confirm the latest product information and specifications before final design, purchase or use.

LSC makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does LSC assume any liability for application assistance or customer product design. LSC does not warrant or accept any liability with products which are purchased or used for any unintended or unauthorized application.

No license is granted by implication or otherwise under any intellectual property rights of LSC.

LSC products are not authorized for use as critical components in life support devices or systems without express written approval of LSC.