



Part: 1KSMBJ6.8A
Series: 1000W Surface Mount TVS Diode - 1KSMBJ Series
Technology:Silicon Avalanche Diode (SADs)

PARAMETERS		
Package Type	Pkg Type	Surface Mount
Mount Method	Mount	Surface Mount
Maximum Reverse Leakage Current	I R	1000.00
Maximum Temperature	Max Temp (Å°C)	150.00
Standoff Polarity	Polarity	Unipolar
Tolerance	Tolerance	5
Breakover Voltage	V BO MIN (V)	0.00
Maximum Breakover Voltage	V BO MAX (V)	0.00
On-state forward Voltage	V F (V)	0.00
Minimum Foldback Voltage	V FB	0.00
Reverse Standoff Voltage	V SO	5.80
Device Wattage	Watts	1000
AC Working Voltage	VAC	0
Reverse Stand-off Voltage	V R (V)	5.80
Breakdown Voltage @ I_T	V BR MIN (V)	6.12
Breakdown Voltage @ I_T	V BR MAX (V)	7.46
Test Current	I T (mA)	10.00
Clamping Voltage	V CL @ I PP (ÅµA)	10.80
Peak Pulse Current	I PP 10x1000(A)	92.50
Peak Pulse Current	I PP 8x20 (A)	
Max Capacitance	C TYP (pF)	0
Working Inverse Blocking Voltage	V WIB (V)	0.00
Inverse Blocking Leakage Current	I IB @ V WIB (ÅµA)	0.00
Peak Inverse Blocking Voltage	V PIB (V)	0.00
Peak Pulse Current	I PP (A)	92.50
Minimum Zener Voltage @ I_Z	V Z MIN (V)	0.00
Maximum Zener Voltage @ I_Z	V Z MAX (V)	0.00
Zener Current	I Z (A)	0.00
Zener Resistance	Resistance (Ohms)	0.00
Peak Pulse Power - 10x1000Åµs	P PP 10x1000Åµs (W)	1000
Peak Pulse Power - 8x20Åµs	P PP 8x20Åµs (W)	0
Peak Pulse Power - 10x160Åµs	P PP 10x160Åµs (W)	0
Battery/System Voltage 12/14	Volt 12/14	
Battery/System Voltage 24/28	Volt 24/28	
Battery/System Voltage 36/42	Volt 36/42	



PROTECTS AGAINST:
EFT (Electrical Fast Transient)

AC Mains
Lightning Transients

Telecom - DC Power
Other Threats

ESD