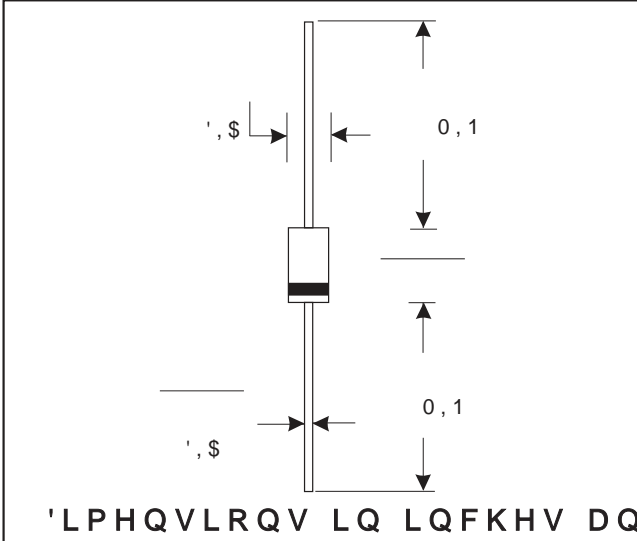


' 2 3 / \$ 6 7 6 , & , & 2 5 (& 7 ,) , (5 6

FEATURES
 "/RZ IRUZDUG YROWDJH GURS
 "+LJK FXUUHQW FDSDELOLW\
 "+LJK UHOLDELOLW\
 "+LJK VXUJH FXUUHQW FDSDELOLW\
 "+LJK VSHHG VZLWFKLQJ

MECHANICAL DATA
 "Case:JEDEC DO--27,molded plastic
 "Terminals: Axial lead ,solderable per
 "MIL- STD-202,Method 208
 "Polarity: Color band denotes cathode
 "Mounting position: Any



'LPHQVLRQV LQ LQFKHV DQG PL

0 \$; , 0 8 0 5 \$ 7 , 1 * 6 \$ 1 ' & + \$ 5 \$ & 7 (5 , 6 7 , & 6

f \$ P E L H 7 G W S H U D X Q O R H W K H U Z L W H G

SF31	SF32	SF33	SF34	SF35	SF36	SF37	SF38	
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Lead Length at $T_A=75$	nt.375"(9.5mm)	$I_{F(AV)}$	3.0	A
Peak Forward Surge Current, 8.3 ms single halfsine-wave superimposed on rated load (JEDEC Method)		I_{FSM}	125.0	A
Maximum Instantaneous Forward Voltage at 3.0A		V_F	1.0 1.3 1.7	V
Maximum reverse current at rated DC blocking voltage	@ $T_A=25$	I_R	5.0	-A
	@ $T_A=100$		50.0	
Maximum reverse recovery time (Note1)		t_{rr}	35	ns
Typical junction capacitance (Note2)		C_J	40 30	pF
Typical thermal resistance(Note3)		R_{JA}		

5 \$ 7 , 1 * 6 \$ 1 ' & + \$ 5 \$ & 7 (5 , 6 7 , & & 8 5 9 (6

), * 7 (6 7 & , 5 & 8 , 7 ' , \$ * 5 \$ 0 \$ 1 ' 5 (9 (5 6 (5 (& 2 9 (5 < 7 , 0 (& + \$ 5 \$ & 7 (5 , 6 7 , &

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