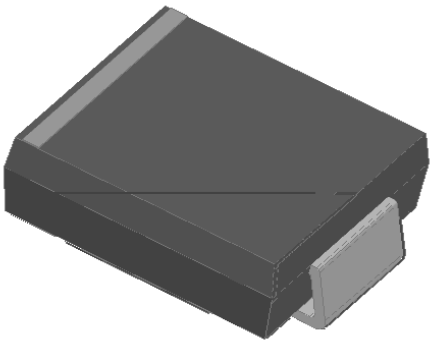
RoHS
COMPLIANT



- Guardring for overvoltage protection
- Low power losses
- Extremely fast switching
- High forward surge capability
- High frequency operation
- Meets MSL level 1, per J-STD-020, LF maximum peak
  : Tin plated leads, solderable per J-STD-002 and JESD22-B102
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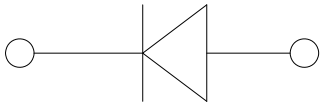


	I_{FSM}	A	120
Voltage rate of change (rated V_R)	dV/dt	V/μs	10000
			T
Storage temperature	T_{stg}		
	J		-55 ~+175

■ T_a=25 Unless otherwise specified

Instantaneous forward voltage	V_F	I_F=5A	T_J=25	0.82	0.9	V
			T_J=125	0.7	0.8	
Reverse current	I_R	Rated V_R	T_J=25	-	1	μA
			T_J=125	-	150	
Typical junction capacitance	C_J	V_R=4V,f=1MHz		100	-	pF

■ T_a=25 Unless otherwise specified

Thermal resistance	$R_{\theta J-A}$(1)	/W	47[1)]	
	$R_{\theta J-L}$(1)		13[1)]	

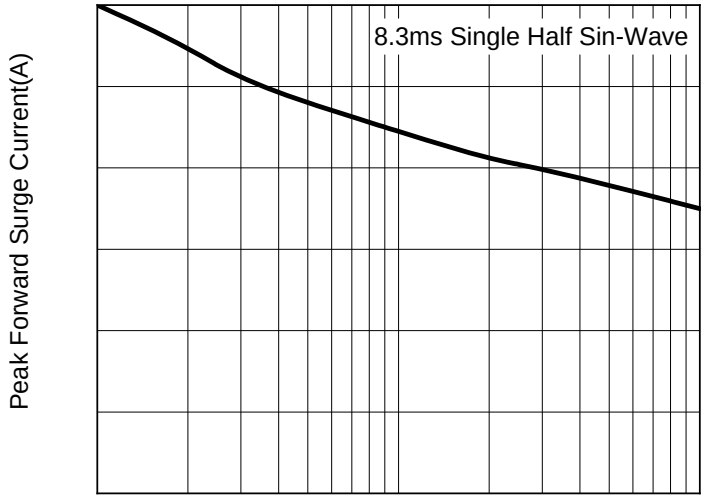
Note(1)
Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.6" x 0.6" (16 mm x 16 mm) copper pad areas

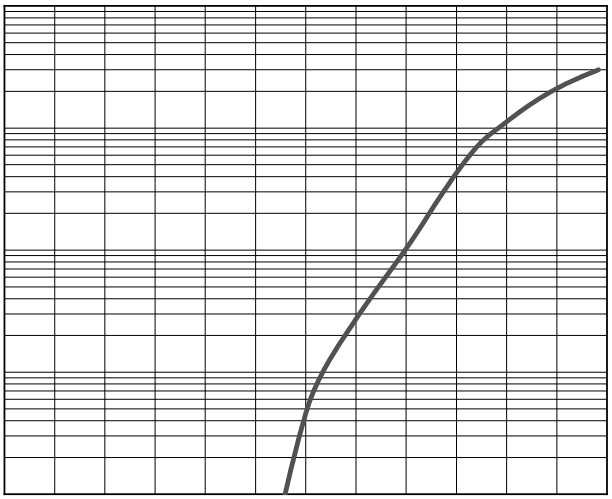
■ (Example)

	F1	Approximate 0.251	3000	42000	13” reel

■ (Typical)

Fig.2:Maximum Non-Repetitive Peak Forward Surge Current





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DO-214AB (SMC)		
Dim	Min	Max
A	6.60	7.11
B	2.85	3.27
C	5.59	6.22
D	7.75	8.13
E	1.99	2.61
F	0.15	0.31
G	0.76	1.52
H	0.05	0.20

P1	9.9
P2	3.84
Q1	3.03
Q2	3.82

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