400W n µ É x 9 Á 9 ò ˜ k V_{RMW}:5.0V~440V È V º SMAF / xož
400W Surface Mount Transient Voltage Suppressor ÈStand-Off Voltage Ö5.0V~440V ÈSMAF thin package.

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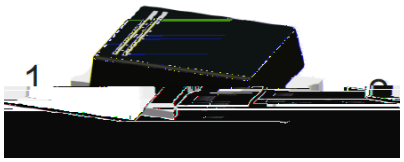
For surface mounted applications in order to optimize board space ÈGlass passivated junction ÈLow inductance ÈPlastic package has Underwriters Laboratory Flammability Classfications 94V-0.
Halogen free product.

%² " (
General purpose.



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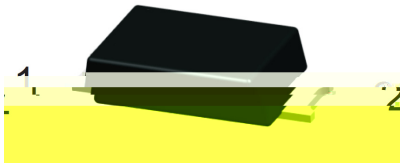

@ *f* Parameter	… Z Symbol	*f* › Rating	% y Unit
Peak Pulse Power Dissipation on 10/1000us waveform	P_{PPM}	400	W
Peak Forward Surge Current (Note 2,Fig 4)	I_{FSM}	60	A
Peak Pulse Current on 10/1000 us waveform (Note 1, Fig 2)	I_{PPM}	See Table 1	A
Typical Junction capacitance at VR=4V, f=1MHz	C_J	390	pF
ESD Voltage per IEC6100-4-2 Contact	V_{ESD1}	f 8	kV
Air	V_{ESD2}	f 15	kV

Operating Junction Te

Type	Device Marking Ccode	Reverse Stand-off Voltage V_{RMW}	Breakdown Voltage	Test Current	Reverse Leakage	Max. Clamp Voltage	Peak Pulse Current

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Type		Device Marking Ccode		Reverse Stand-off Voltage	Breakdown Voltage		Test Current	Reverse Leakage	Max. Clamp Voltage	Peak Pulse Current
				V_{RMW}	$V_{BR}@I_T$		I_T	$I_R@V_{RWM}$	$V_C@I_{PP}$	I_{PP}
					Min	Max				
Uni	Bi	Uni	Bi	V	V	V	mA	A	V	A
SMAFJ200A	SMAFJ200CA	SV	V V	200	224	247	1.0	1.0	324.0	1.2
SMAFJ220A	SMAFJ220CA	SX	VX	220	246	272	1.0	1.0	356	1.1
SMAFJ250A	SMAFJ250CA	SZ	VZ	250	279	309	1.0	1.0	405.0	1.0
SMAFJ300A	SMAFJ300CA	TE	UE	300	335	371	1.0	1.0	486.0	0.8
SMAFJ350A	SMAFJ350CA	TG	UG	350	391	432	1.0	1.0	567.0	0.7
SMAFJ400A	SMAFJ400CA	TK	UK	400	447	494	1.0	1.0	648.0	0.6
SMAFJ440A	SMAFJ440CA	TM	UM	440	492	543	1.0	1.0	713.0	0.6

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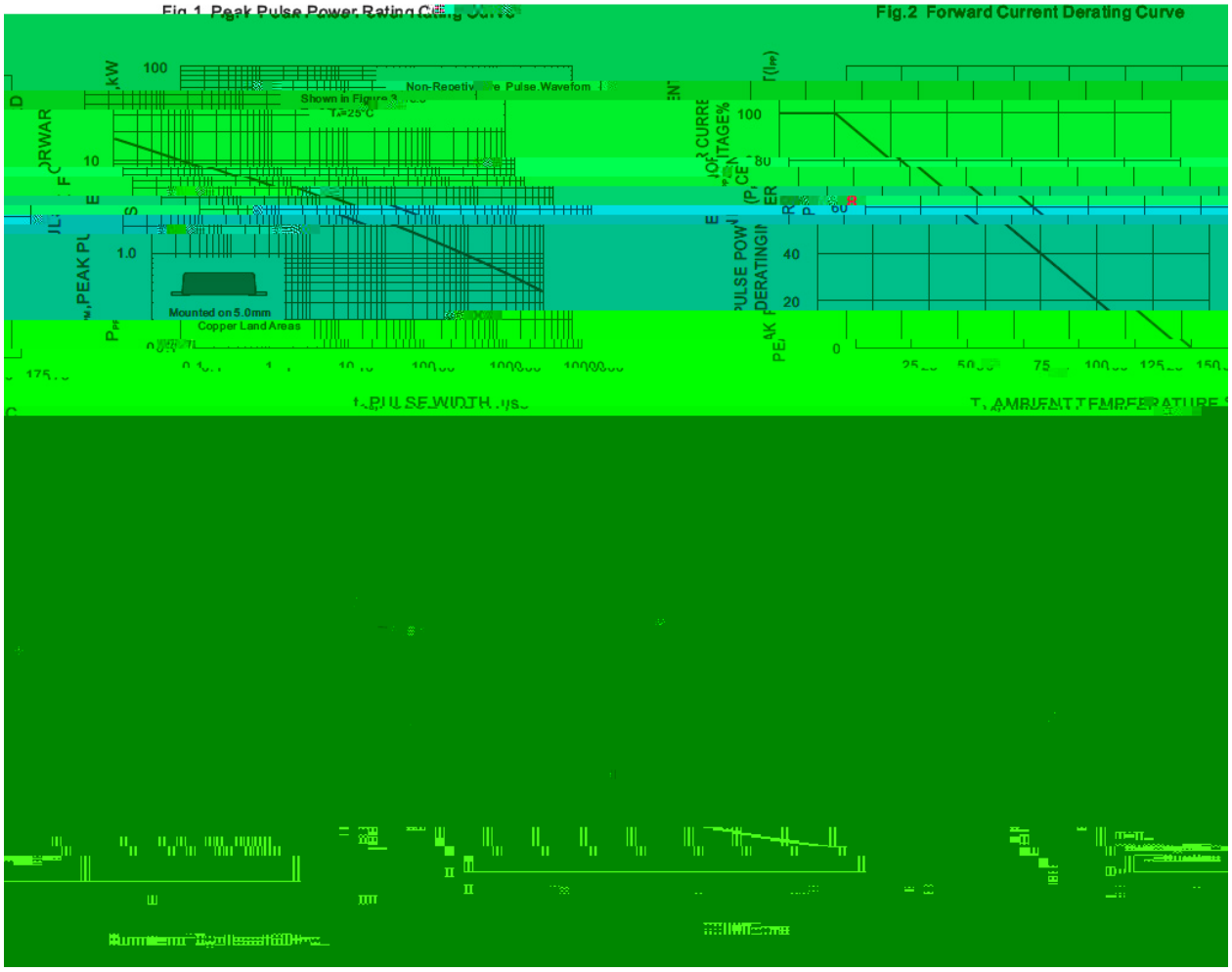
Fig.2 Forward Current Derating Curve
100
10
1.0
kW
Non-Repetitive Pulse Waveform
Shown in Figure 3
T=25°C
Mounted on 5.0mm
Copper Land Areas
100
80
60
40
20
0
25
50
75
100
125
150

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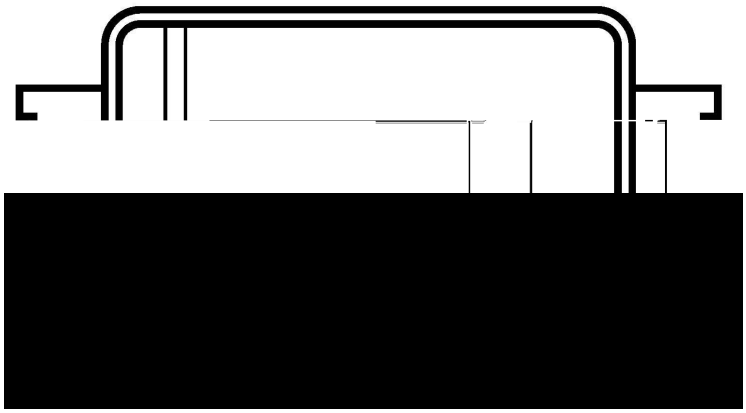

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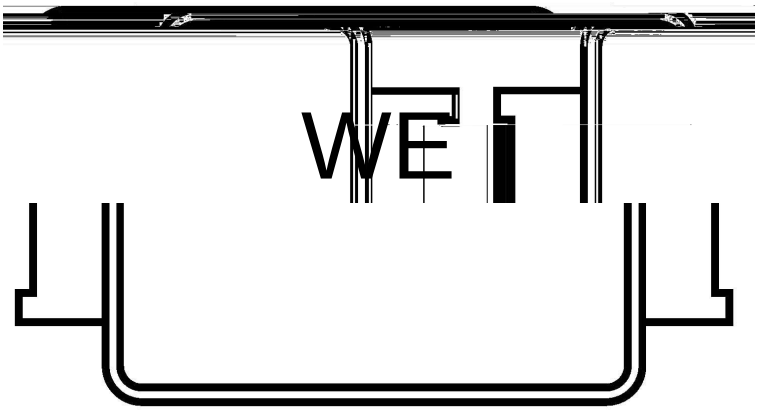

ª ¢ y

= + y ºZ W A

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Note:

= + y Product Type Code

y Lot No. Code k The 1st means:YM Code k The last 3 means:little Lot No Code

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