



CHENMKO ENTERPRISE CO.,LTD

TVSF8.5AGP-A

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSOR

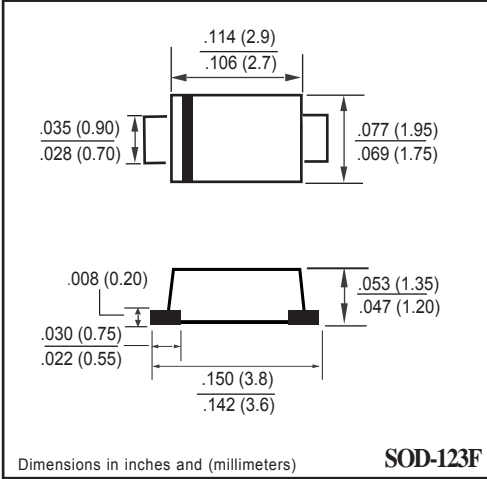
VOLTAGE- 8.5 VOLTS

200 WATTS PEAK POWER 1.0 WATT STEADY STATE

Halogens free devices

FEATURES

- * Plastic package
- * 200W surge on 10/1000 uS waveform
- * Glass passivated chip junction in SOD-123F Package
- * Excellent clamping capability
- * Low Zener Impedance
- * Hightemperaturesolderingguaranteed:
260oC/10secondsatterminals



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

DEVICES FOR BIDIRECTIONAL APPLICATIONS

For Bidirectional use C or CA Suffix for types TVSF5.0AGP thru types TVSF190AGP
Electrical characteristics apply in both directions.

MAXIMUM RATINGS (At Ta = 25°C unless otherwise noted)

RATINGS	SYMBOL	VALUE	UNITS
Peak Power Dissipation On 10/1000 uS Waveform	PPK	Minimum 200	Watts
Steady State Power Dissipation at TL = 75°C	Pd	1.0	Watts
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load	IFSM	20	Amps
Operating and Storage Temperature Range	TJ, TSTG	-65 to +150	°C

ELECTRICAL CHARACTERISTICS (TVSF8.5AGP-A)

TYPE	Zener Voltage VZ (V) @ IZT			Test current	Working Peak Reverse Voltage	Maximum Reverse Leakage Current	Maximum Reverse Current	Maximum reverse Voltage @IRSM
	Min	Nom	Max	IZT(mA)				
	Volts	Volts	Volts		Vrwm(V)	IR(uA)	Irsm(A)	Vrsm(V)
TVSF8.5AGP-A	9.44	-	10.4	1	8.5	10	13.9	14.4

RATING CHARACTERISTIC CURVES (TVSF8.5AGP-A)

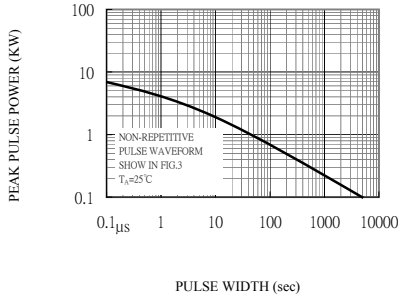


FIG. 1 - PEAK PULSE POWER RATING CURVE

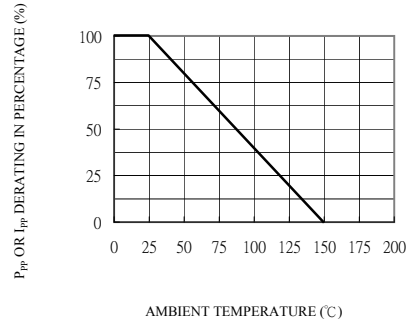


FIG. 2 - PULSE DERATING CURVE

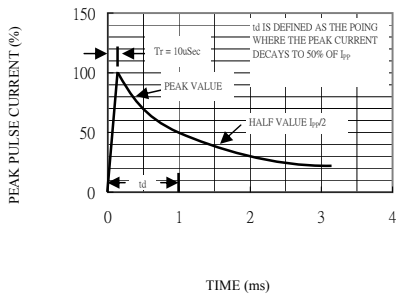


FIG. 3 - PULSE WAVEFORM

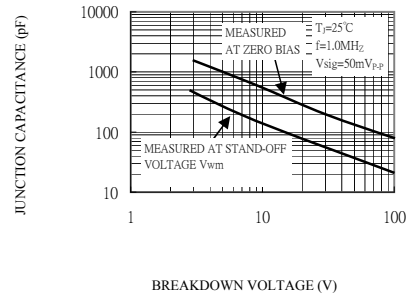


FIG. 4 - TYPICAL JUNCTION CAPACITANCE



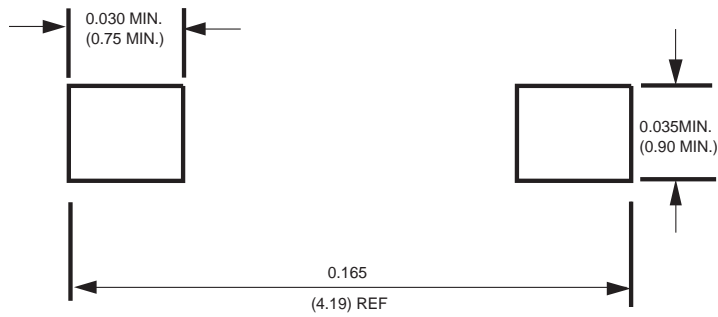
CHENMKO ENTERPRISE CO.,LTD

SURFACE MOUNT
RECOMMENDED FOOT PRINT

SOD-123F

SOD-123F

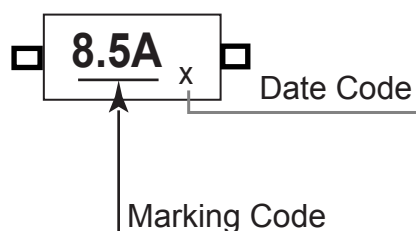
Mounting Pad Layout



Dimensions in inches and (millimeters)

The Marking and Part No. for TVSF8.5AGP-A (SOD-123F)


Marking:



Date Code Standard

Date Code	A	B	C	D	E	F	G	H	J	K	L	M
2015Year	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT	NOV.	DEC.

Date Code	N	P	Q	R	S	T	U	V	W	X	Y	Z
2014Year	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT	NOV.	DEC.

CUSTOMER :	APPROVED :	 <b style="font-size: 1.2em; vertical-align: middle;">CHENMKO LTD.
APPROVED :	CHECKED :	
CHECKED :	DRAWN :	