CHENMKO ENTERPRISE CO.,LTD

CHSDBFJGP-A

SURFACE MOUNT

SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 60 Volts CURRENT 2.0 Ampere

Halogens free devices

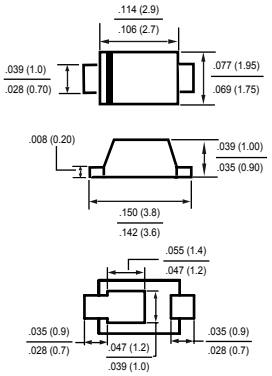
FEATURES

* For surface mounted applications
* Metal silicon junction, majority carrier conduction
* Low power loss, high efficiency
* High current capability, low forward voltage drop
* High surge capability
* For use in low voltage high frequency inverters, free wheeling, and polarity protection applications

MARKING

* 26

SOD-123J



Dimensions in inches and (millimeters)

SOD-123J

CIRCUIT

MAXIMUM RATINGES (At T_A = 25°C unless otherwise noted)

RATINGS	SYMBOL	CHSDBFJGP-A	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	60	Volts
Maximum RMS Voltage	V_{RMS}	42	Volts
Maximum DC Blocking Voltage	V_{DC}	60	Volts
Maximum Average Forward Rectified Current	I_O	2.0	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	50	Amps
Typical Junction Capacitance (Note 1)	C_J	110	pF
Typical Thermal Resistance	$R_{\theta JL}$	65	°C / W
Operating Temperature Range	T_J	-65 to +125	°C
Storage Temperature Range	T_{STG}	-65 to +150	°C

ELECTRICAL CHARACTERISTICS (At T_A = 25°C unless otherwise noted)

CHARACTERISTICS	SYMBOL	CHSDBFJGP-A	UNITS
Maximum Instantaneous Forward Voltage at 2.0 A DC	V_F	0.65	Volts
Maximum Average Reverse Current at Rated DC Blocking Voltage	I_R	500	uAmps

NOTES : 1. Measured at 1.0 MHz and applied reverse voltage of 4.0 volts.

2013-03

RATING CHARACTERISTIC CURVES (CHSDBFJGP-A)

FIG. 1 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

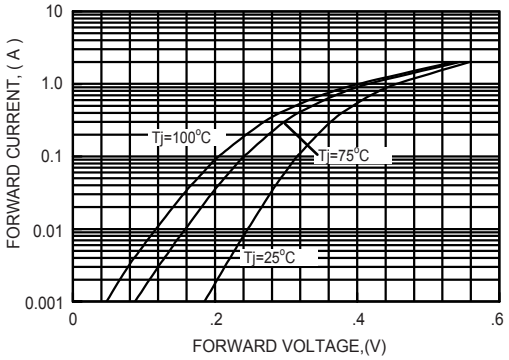


FIG. 2 - TYPICAL REVERSE CHARACTERISTICS

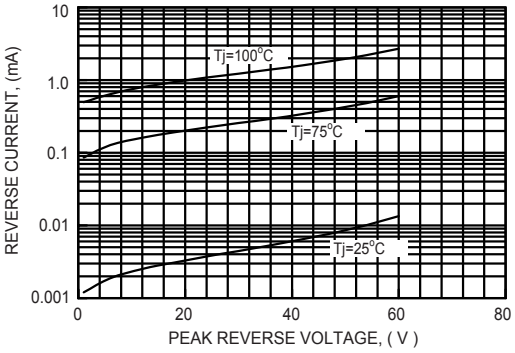


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

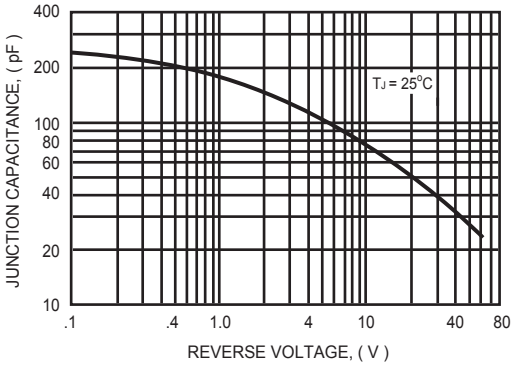
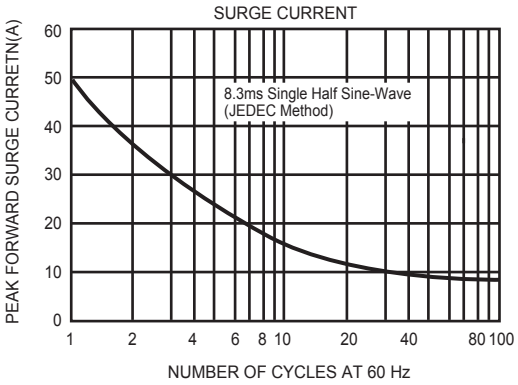


FIG. 4 - MAXIMUM NON-REPETIVE FORWARD SURGE CURRENT



CHENMKO ENTERPRISE CO.,LTD

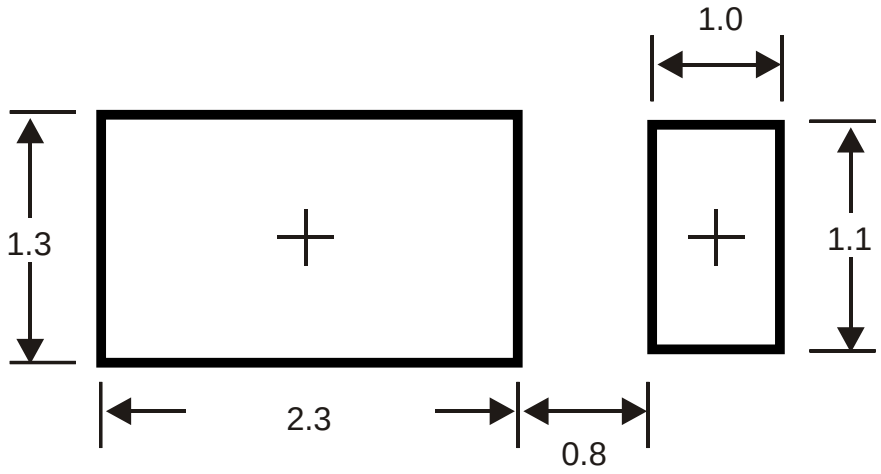
SURFACE MOUNT

RECOMMENDED FOOT PRINT

all dimensions in mm

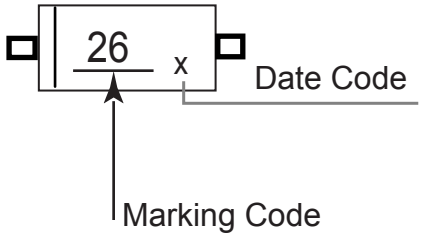
SOD-123J

SOD-123J



The Marking and Part No. for CHSDBFJGP-A (SOD-123J)

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 : DANY	CHENMKO LTD.
APPROVED :	CHECKED : ANGEL	
CHECKED :	DRAWN : JASON	DRAWING No. :