



**CHENMKO ENTERPRISE CO.,LTD**

*Halogens free devices*

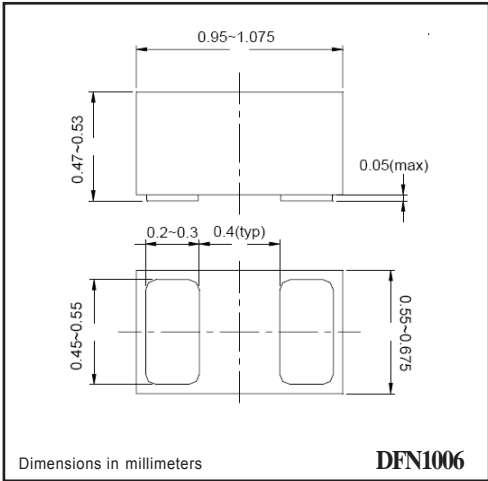
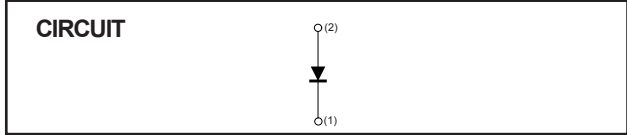
**SURFACE MOUNT**  
**SCHOTTKY BARRIER DIODE**  
**VOLTAGE 30 Volts CURRENT 0.2 Ampere**

**CH521N4-30GP-A**

**FEATURE**  
 \* Extremely small surface mounting type. (DFN1006)  
 \* Io=200mA guaranteed despite size

**CONSTRUCTION**  
 \* Silicon epitaxial planar

**DFN1006**



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

RATINGS	SYMBOL	CH521N4-30GP-A	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	30	Volts
Maximum RMS Voltage	VRMS	21	Volts
Maximum DC Blocking Voltage	VDC	30	Volts
Maximum Average Forward Rectified Current	Io	0.2	Amps
Peak Forward Surge Current at 8.3 mSec single half sine-wave	IFSM	1.0	Amps
Maximum Operating Temperature Range	TJ	+125	°C
Storage Temperature Range	TSTG	-40 to +125	°C

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

CHARACTERISTICS	SYMBOL	CH521N4-30GP-A	UNITS
Maximum Instantaneous Forward Voltage at IF= 20mA IF= 200mA	VF	0.4 0.5	Volts
Maximum Average Reverse Current at VR= 30V	IR	30	uAmps

NOTES : 1. Measured at 1.0 MH z and applied reverse voltage of 1.0 volts.  
 2. ESD sensitive product handling required.

## RATING CHARACTERISTIC CURVES ( CH521N4-30GP-A )

FIG. 1 - FORWARD CHARACTERISTICS

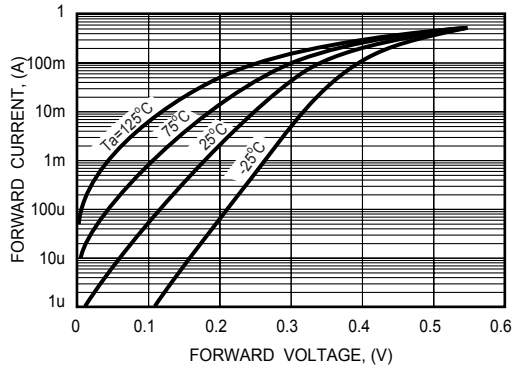


FIG. 2 - REVERSE CHARACTERISTICS

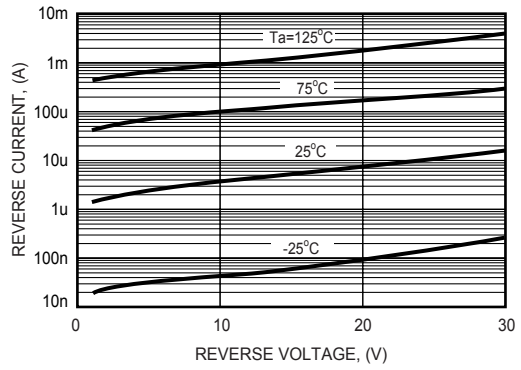


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

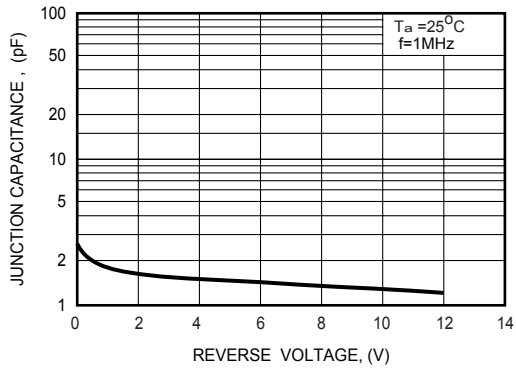
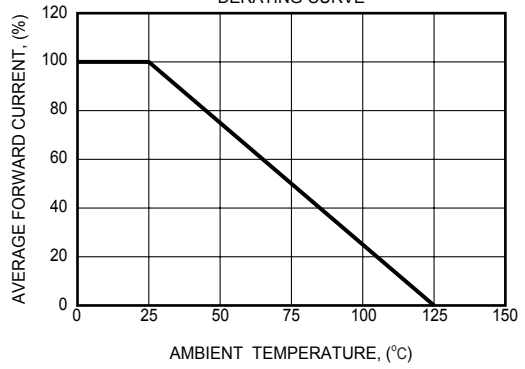


FIG. 4 - TYPICAL FORWARD CURRENT DERATING CURVE



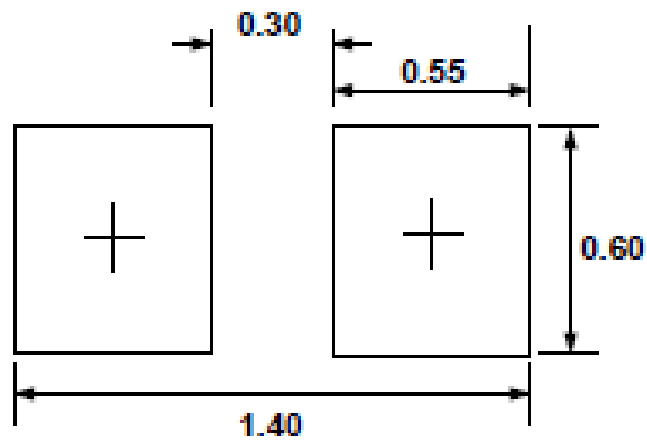


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**SURFACE MOUNT**  
*RECOMMENDED FOOT PRINT*  
*all dimensions in mm*

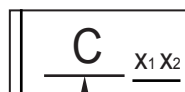
**DFN1006A**

**DFN1006A**



# The Marking and Part No. for CH521N4-30GP-A (DFN1006)

Marking:



Marking Code

Date Code Standard

X1


X2

Date Code (會變更)

Line code (會變更)

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.

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.

CUSTOMER :	APPROVED :	 <b>CHENMKO LTD.</b>
APPROVED :	CHECKED :	
CHECKED :	DRAWN :	