



Halogens free devices

SURFACE MOUNT

SCHOTTKY BARRIER DIODE

VOLTAGE 30 Volts CURRENT 0.2 Ampere

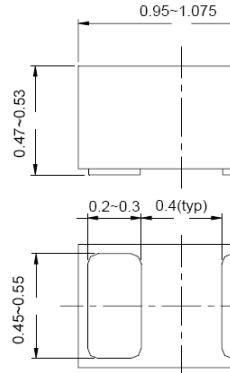
FEATURE

- * Extremely small surface mounting type. (DFN1006)
- * $I_o=200\text{mA}$ guaranteed despite size

CONSTRUCTION

- * Silicon epitaxial planar

CIRCUIT



Dimensions in millimeters

MAXIMUM RATINGS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

RATINGS	SYMBOL	CHSDEBAN4-30GP-S
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	30
Maximum RMS Voltage	V_{RMS}	21
Maximum DC Blocking Voltage	V_{DC}	30
Maximum Average Forward Rectified Current	I_o	0.2
Peak Forward Surge Current at 8.3 mSec single half sine-wave	I_{FSM}	1.0
Maximum Operating Temperature Range	T_J	+125
Storage Temperature Range	T_{STG}	-40 to +125

ELECTRICAL CHARACTERISTICS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

CHARACTERISTICS	SYMBOL	CHSDEBAN4-30GP-S
Maximum Instantaneous Forward Voltage at $I_F = 20\text{mA}$	V_F	0.4
Maximum Instantaneous Forward Voltage at $I_F = 200\text{mA}$		0.5
Maximum Average Reverse Current at $V_R = 30\text{V}$	I_R	20

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

FIG. 1 - FORWARD CHARACTERISTICS

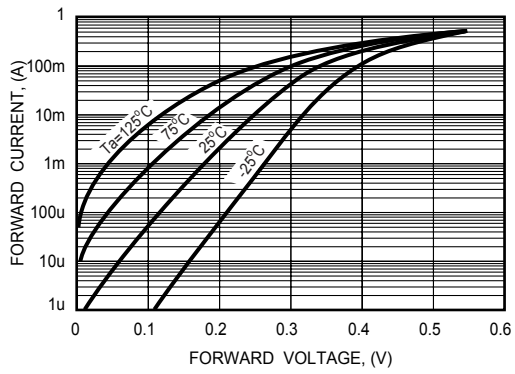


FIG. 2 - REVERSE CHARACTERISTICS

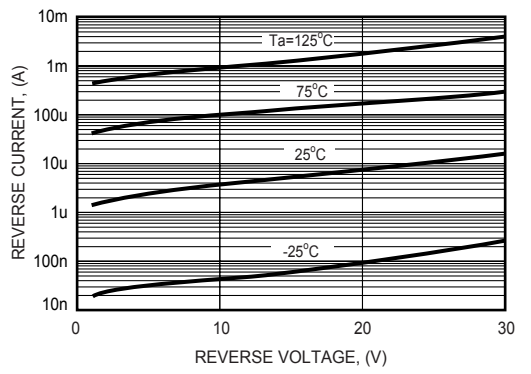


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

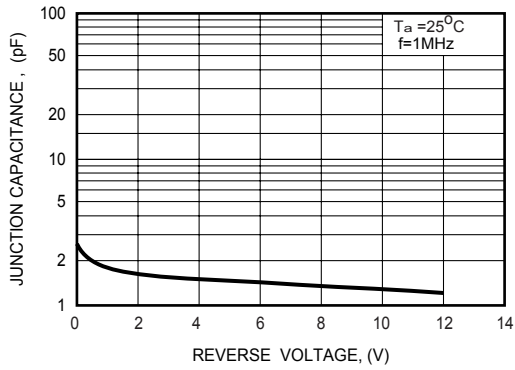
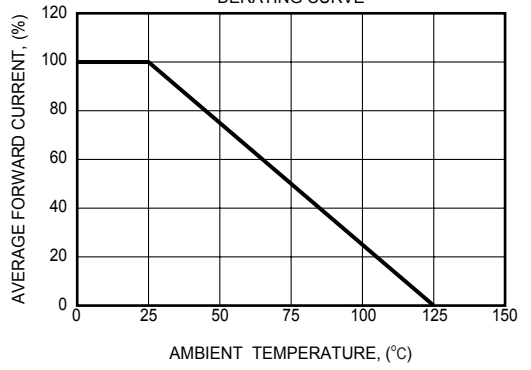


FIG. 4 - TYPICAL FORWARD CURRENT DERATING CURVE



The Marking and Part No. for CHSDEBAN4-30GP-S (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
2016Year	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
2017Year	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT	NOV.	DEC.

CUSTOMER :	APPROVED :	 CHENMKO LTD.
APPROVED :	CHECKED :	
CHECKED :	DRAWN :	

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