



CHENMKO ENTERPRISE CO.,LTD

SURFACE MOUNT

LOW VF SCHOTTKY BARRIER DIODE

VOLTAGE 30 Volts CURRENT 0.1 Ampere

**CHSD01N6
-30GP-A**

Halogens free devices

APPLICATION

* Low power rectification and high speed switching

FEATURE

* Extremely small surface mounting type. (DFN0603A)
* High reliability
* Power Dissipation:100mW

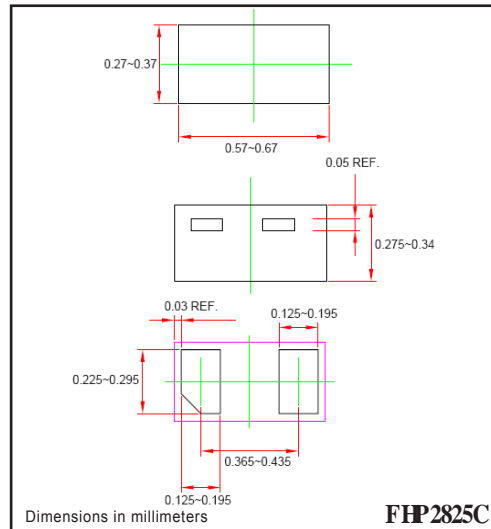
CONSTRUCTION

* Silicon epitaxial planar

CIRCUIT



FHP2825C



FHP2825C

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

RATINGS	SYMBOL	CHSD01N6-30GP-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	0.1	Amps
Peak Forward Surge Current at 8.3 mSec single half sine-wave	IFSM	0.5	Amps
Typical Junction Capacitance between Terminal (Note 2)	CJ	7.0	pF
Maximum Operating Temperature Range	TJ	+125	°C
Storage Temperature Range	TSTG	-55 to +150	°C

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

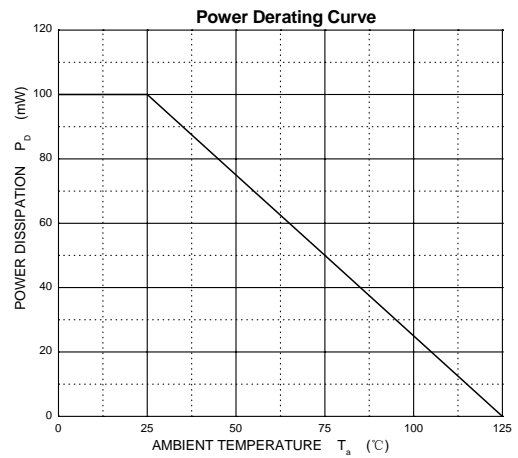
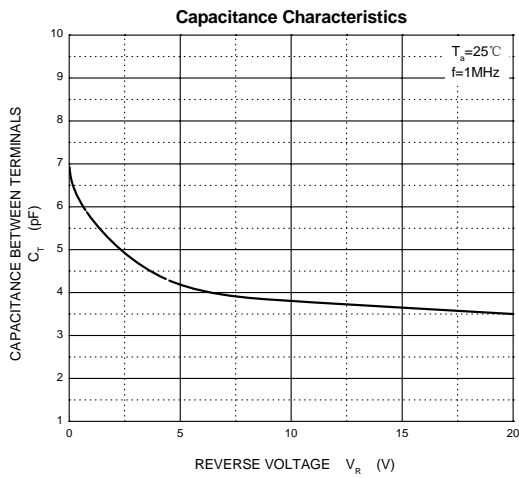
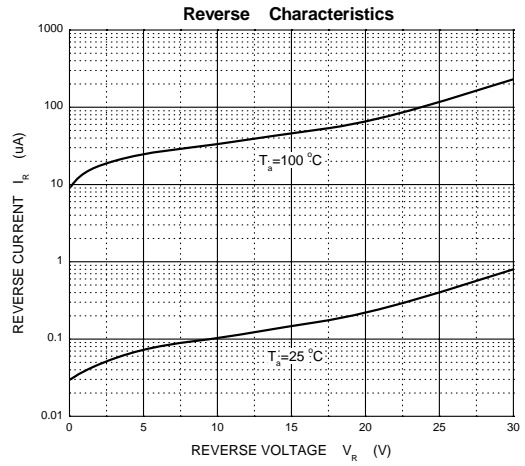
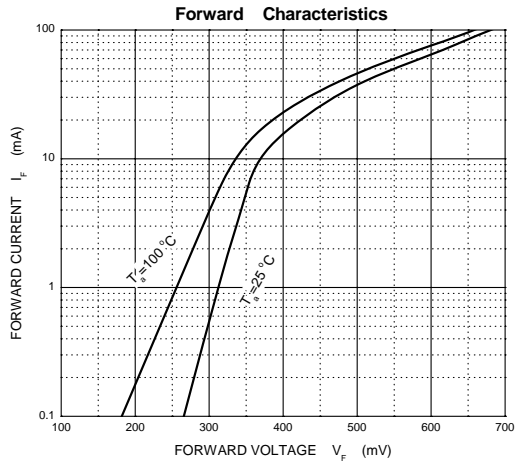
CHARACTERISTICS	SYMBOL	TYP	MAX	UNITS
Maximum Instantaneous Forward Voltage	@ IF = 10 mA	VF	380	mVolts
	@ IF = 100 mA		800	mVolts
Maximum Average Reverse Current at Rated DC Blocking Voltage	@ VR = 10 V	IR	10	uAmps
	@ VR = 30 V		45	uAmps

NOTES : 1. Thermal Resistance (Junction to Lead) : PC Board Mounted on 0.06 X 0.06" (0.15X 0.15mm) copper pad area.
2. Measured at 1.0 MH z and applied reverse voltage of 0 volt.

2015-08

RATING CHARACTERISTIC CURVES (CHSD01N6-30GP-A)

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

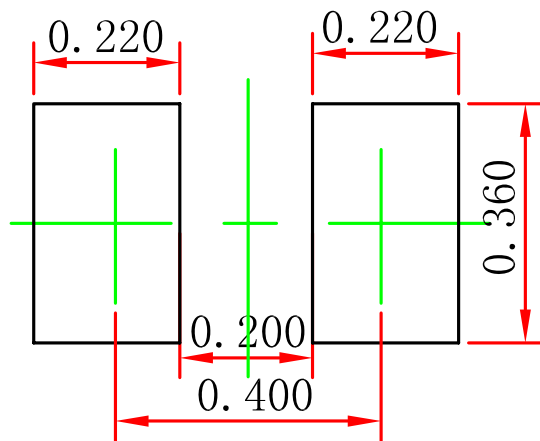




CHENMKO ENTERPRISE CO.,LTD

SURFACE MOUNT
RECOMMENDED FOOT PRINT
all dimensions in mm

8 : B\$*\$'5




The Marking and Part No. for CHSD01N6-30GP-A
(DFN0603A)

Marking:



Marking Code

CUSTOMER :	APPROVED :	 CHENMKO LTD.
APPROVED :	CHECKED :	
CHECKED :	DRAWN :	DRAWING No. :