



CHENMKO ENTERPRISE CO.,LTD

CH521N6-30GP

SURFACE MOUNT

LOW VF SCHOTTKY BARRIER DIODE

VOLTAGE 30 Volts CURRENT 0.1 Ampere

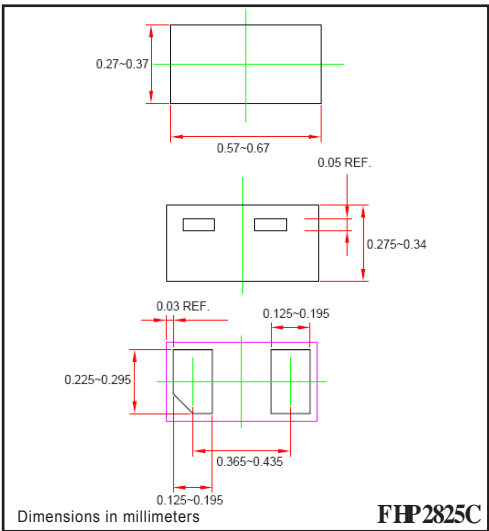
Halogens free devices

5 DD@75 HCB
 * Low power rectification and high speed switching

: 95 H F9
 * Extremely small surface mounting type. (DFN0603A)
 * High reliability
 * Power Dissipation:100mW

7CBGF1 7HCB
 * Silicon epitaxial planar

FHP2825C



7F71 #1

A5L-A1 A F5HB; 9G (At TA = 25°C unless otherwise noted)

RATINGS	SYMBOL	CH521N6-30GP	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

9 @7 HF #5 @7 <5 F57 H9F-GH7 G' (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		-	50	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.

2014-11

RATING CHARACTERISTIC CURVES (CH521N6-30GP)

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

