CHENMKO ENTERPRISE CO.,LTD

CH520G3-

SURFACE MOUNT
SCHOTTKY BARRIER DIODE
VOLTAGE 30 Volts CURRENT 0.F Ampere

Halogens free devices

APPLICATION
* Low power rectification and high speed switching
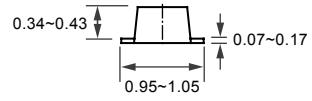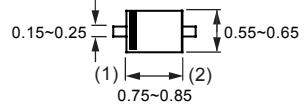
FEATURE
* Extremely small surface mounting type. (SOD-923)
* High reliability

MARKING
* E

CIRCUIT

(2)

(1)

SO

0.15~0.25   0.55~0.65

(1)   (2)

0.75~0.85

0.34~0.43   0.07~0.17

0.95~1.05

Dimensions in millimeters   SO

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

RATINGS	SYMBOL	CH520G3-30GP
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	0.1
Peak Forward Surge Current (Note 1)	I_{FSM}	0.5
Typical Junction Capacitance between Terminal	C_J	6.0
Maximum Operating Temperature Range	T_J	+125
Storage Temperature Range	T_{STG}	-40 to +125

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

CHARACTERISTICS	SYMBOL	CH520G3-30GP
Maximum Instantaneous Forward Voltage at I_F= 10mA	V_F	0.45
Maximum Average Reverse Current at V_R= 10V	I_R	0.5

NOTES : 1.zfor1.6Hz for 1 sin wave
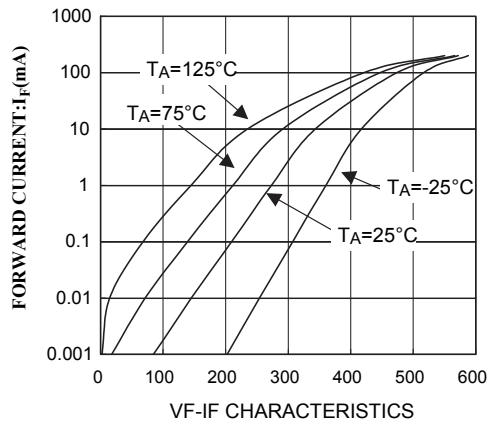
Fig.1 FORWARD VOLTAGE : VF(mV)

VF-IF CHARACTERISTICS
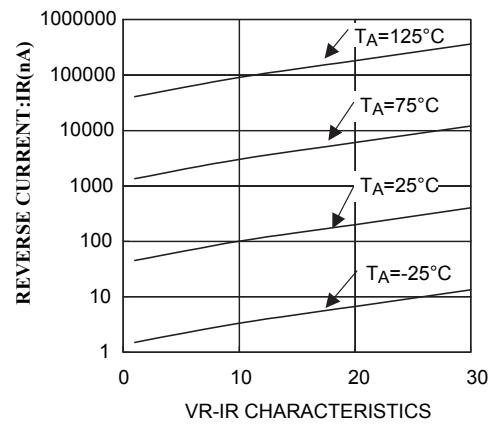
Fig.2 REVERSE VOLTAGE:V$_R$(V)

VR-IR CHARACTERISTICS
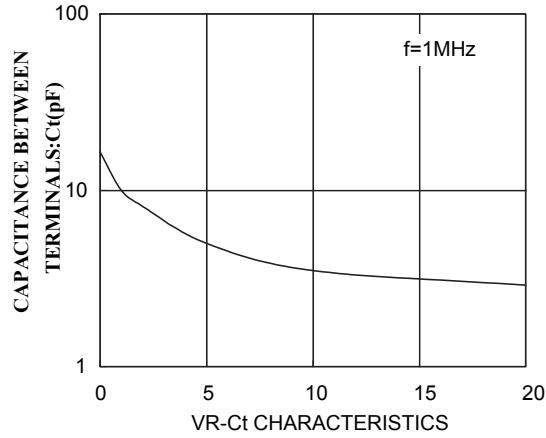
Fig.3 REVERSE VOLTAGE:V$_R$(V)

VR-Ct CHARACTERISTICS

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