



**CHENMKO ENTERPRISE CO.,LTD**

*Halogens free devices*

**SURFACE MOUNT**  
**SCHOTTKY BARRIER DIODE**

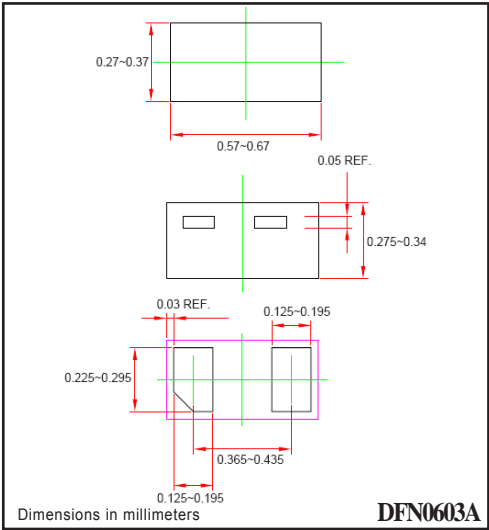
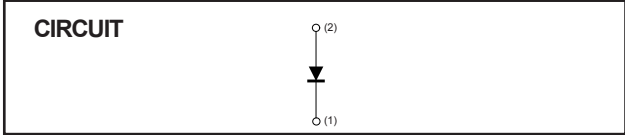
VOLTAGE 40 Volts CURRENT 0.03 Ampere

**CHSW003N6**  
**-40GP-A**

**APPLICATION**  
\* High speed switching for detection

**FEATURE**  
\* Small surface mounting type. (DFN0603)  
\* Low VF and low IR  
\* High reliability

**CONSTRUCTION**  
\* Silicon epitaxial planar



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

RATINGS	SYMBOL	CHSW003N6-40GP-A	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	40	Volts
Maximum RMS Voltage	VRMS	28	Volts
Maximum DC Blocking Voltage	VDC	40	Volts
Maximum Average Forward Rectified Current	IO	0.03	Amps
Peak Forward Surge Current at 8.3 mSec single half sine-wave	IFSM	0.2	Amps
Typical Junction Capacitance between Terminal (Note 1)	CJ	2.0	pF
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	CHSW003N6-40GP-A	UNITS
Maximum Instantaneous Forward Voltage at IF= 1mA	VF	0.37	Volts
Maximum Average Reverse Current at VR= 30V	IR	0.45	uAmps

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

## RATING CHARACTERISTIC CURVES ( CHSW003N6-40GP-A )

FIG. 1 - FORWARD CHARACTERISTICS

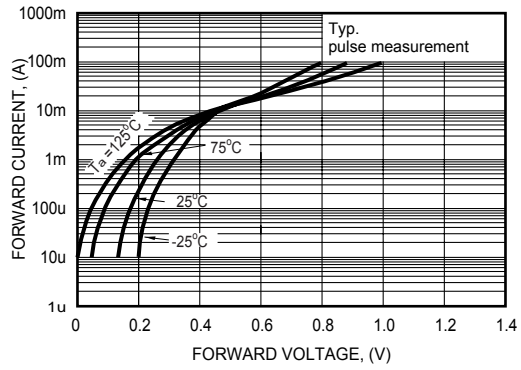


FIG. 2 - REVERSE CHARACTERISTICS

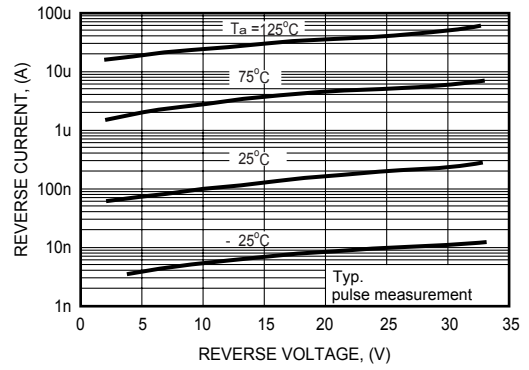


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

