



CHENMKO ENTERPRISE CO.,LTD

Lead free devices

SURFACE MOUNT
SCHOTTKY BARRIER DIODE
VOLTAGE 40 Volts CURRENT 0.03 Ampere

CH751S-40PT

APPLICATION

- * High speed switching for detection

FEATURE

- * Small surface mounting type. (SC-79/SOD-523)
- * Low VF and low IR
- * High reliability

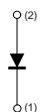
CONSTRUCTION

- * Silicon epitaxial planar

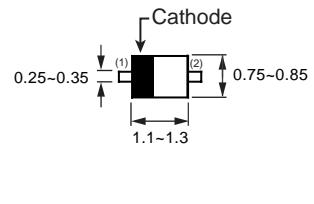
MARKING

- * S

CIRCUIT



SC-79/SOD-523



Dimensions in millimeters

SC-79/SOD-523

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

RATINGS	SYMBOL	CH751S-40PT	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	40	Volts
Maximum RMS Voltage	V _{RMS}	28	Volts
Maximum DC Blocking Voltage	V _{DC}	40	Volts
Maximum Average Forward Rectified Current	I _O	0.03	Amps
Peak Forward Surge Current at 8.3 mSec single half sine-wave	I _{FSM}	0.2	Amps
Typical Junction Capacitance between Terminal (Note 1)	C _J	2.0	pF
Maximum Operating Temperature Range	T _J	+125	°C
Storage Temperature Range	T _{STG}	-40 to +125	°C

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

CHARACTERISTICS	SYMBOL	CH751S-40PT	UNITS
Maximum Instantaneous Forward Voltage at I _F = 1mA	V _F	0.37	Volts
Maximum Average Reverse Current at V _R = 30V	I _R	0.5	uAmps

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

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RATING CHARACTERISTIC CURVES (CH751S-40PT)

FIG. 1 - FORWARD CHARACTERISTICS

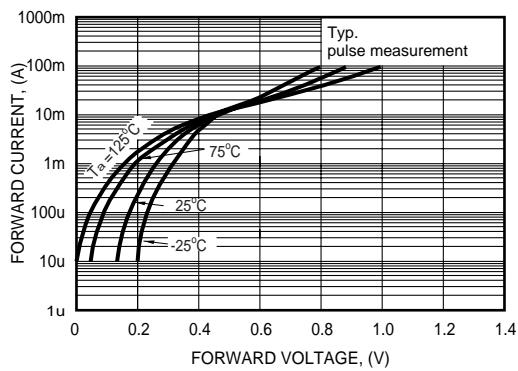


FIG. 2 - REVERSE CHARACTERISTICS

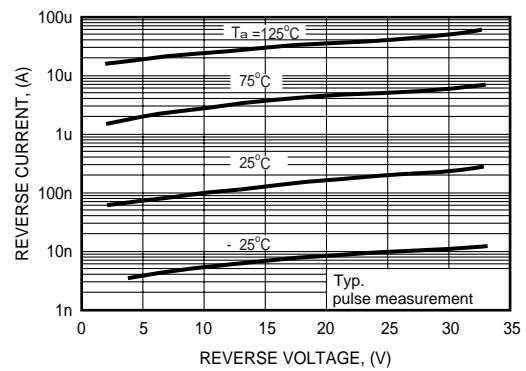


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

