

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Comchip Technology](#)

[CDBUR00340](#)

For any questions, you can email us directly:

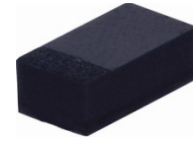
sales@integrated-circuit.com

SMD Schottky Barrier Diode



CDBUR00340(RoHs Device)

$I_o = 30 \text{ mA}$
 $V_R = 40 \text{ Volts}$

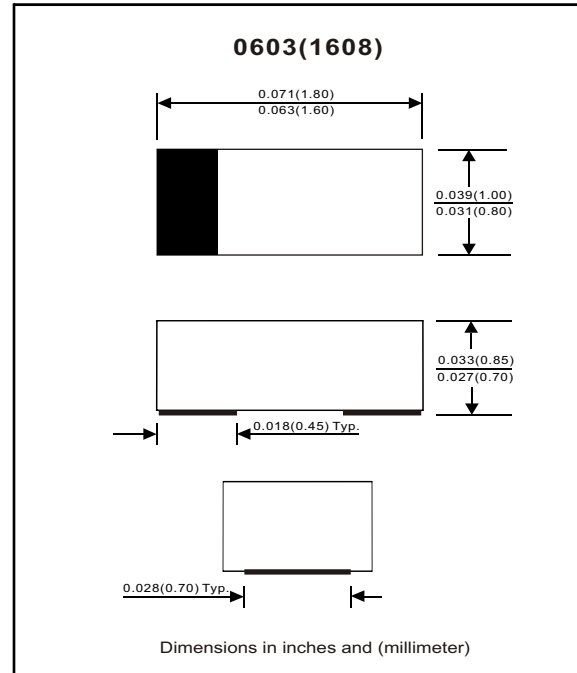


Features

- Designed for mounting on small surface.
- Extremely thin package.
- Low stored charge.
- Majority carrier conduction.

Mechanical data

- Case: 0603(1608) standard package, molded plastic.
- Terminals: Gold plated, solderable per MIL-STD-750, method 2026.
- Polarity: Indicated by cathode band.
- Mounting position: Any
- Weight: 0.003 gram(approx.).



Maximum Rating (at TA=25°C unless otherwise noted)

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Repetitive peak reverse voltage		V _{RRM}			45	V
Reverse voltage		V _R			40	V
Average forward current		I _o			30	mA
Forward current, surge peak	8.3 ms single half sine-wave superimposed on rate load(JEDEC method)	I _{FSM}		500		mA
Power Dissipation		P _D			150	mW
Storage temperature		T _{STG}	-40		+125	°C
Junction temperature		T _j			+125	°C

Electrical Characteristics (at TA=25°C unless otherwise noted)

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	I _F = 1 mA DC	V _F			0.37	V
Reverse current	V _R = 30V V _R = 40V	I _R			0.50 1.00	uA
Capacitance between terminals	F = 1 MHz and 1 VDC reverse voltage	C _T		1.5		pF

SMD Schottky Barrier Diode



RATING AND CHARACTERISTIC CURVES (CDBUR00340)

Fig. 1 - Forward characteristics

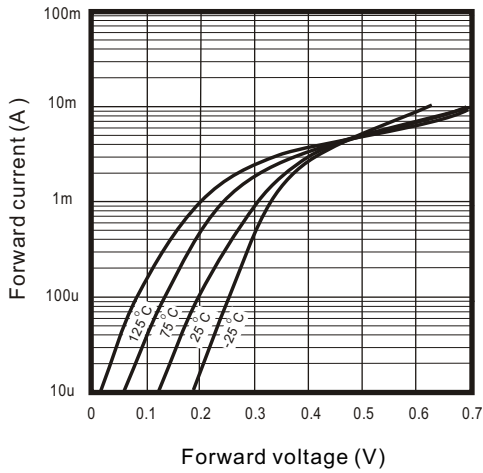


Fig. 2 - Reverse characteristics

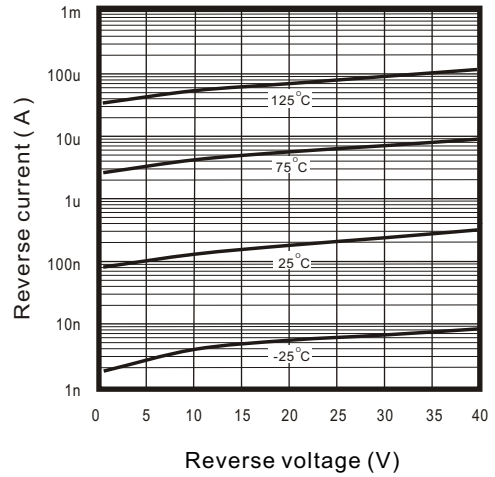


Fig.3 - Capacitance between terminals characteristics

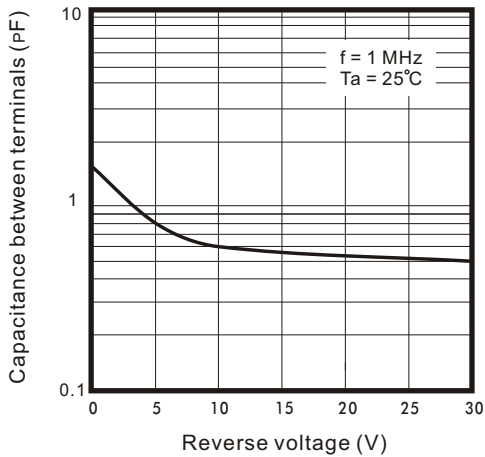


Fig.4 - Current derating curve

