

**RB160M-60**

Preliminary

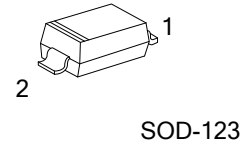
DIODE**SCHOTTKY BARRIER DIODE****■ DESCRIPTION**

The UTC **RB160M-60** is a schottky barrier diode, it uses UTC's advanced technology to provide customers with low reverse current and high reliability etc.

The UTC **RB160M-60** is suitable for general rectification.

■ FEATURES

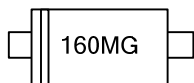
- * Low reverse current
- * High reliability

**■ ORDERING INFORMATION**

Ordering Number	Package	Pin Assignment		Packing
		1	2	
RB160MG-60-CA2-R	SOD-123	A	K	Tape Reel

Note: Pin Assignment: A: Anode K: Cathode

RB160MG-60-CA2-R	(1)Packing Type (2)Package Type (3)Green Package	(1) R: Tape Reel (2) CA2 : SOD-123 (3) G: Halogen Free and Lead Free
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■ MARKING

■ **ABSOLUTE MAXIMUM RATINGS** ($T_A=25^{\circ}\text{C}$, unless otherwise specified)

PARAMETER	SYMBOL	RATINGS	UNIT
Reverse Voltage (DC)	V_R	60	V
Reverse Voltage (Repetitive Peak)	V_{RM}	60	V
Average Rectified Forward Current (Note 1)	I_O	1.0	A
Forward Current Surge Peak (60Hz/1cyc.)	I_{FSM}	30	A
Operating Junction Temperature	T_J	150	$^{\circ}\text{C}$
Storage Temperature	T_{STG}	-40~150	$^{\circ}\text{C}$

Notes: 1. Absolute maximum ratings are those values beyond which the device could be permanently damaged.

Absolute maximum ratings are stress ratings only and functional device operation is not implied.

2. Glass epoxy substrate at the time of assembler, half sine wave at 180.

■ **ELECTRICAL CHARACTERISTICS** ($T_A=25^{\circ}\text{C}$, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	V_{F1}	$I_F=1.0\text{A}$			0.58	V
Reverse Current	I_R	$V_R=60\text{V}$		15	50	μA
Capacitance between terminals	C_t	$V_R=10\text{V}$, $f=1\text{MHz}$		40		pF

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