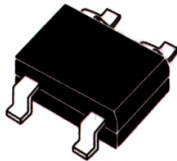


## CBR1-D020S SERIES

### 1.0 AMP DUAL IN LINE BRIDGE RECTIFIER



SMDIP CASE

**Central**<sup>TM</sup>  
**Semiconductor Corp.**

#### DESCRIPTION:

The CENTRAL SEMICONDUCTOR CBR1-D020S series types are silicon full wave bridge rectifiers mounted in a durable epoxy, surface mount, molded case, utilizing glass passivated chips. To order devices on tape and reel (1,000/13" reel) add TR13 suffix.

**NOTE:** Also available in Fast Recovery, please contact factory for details.

#### MAXIMUM RATINGS ( $T_A=25^{\circ}\text{C}$ )

	SYMBOL	CBR1- D020S	CBR1- D040S	CBR1- D060S	CBR1- D100S	UNITS
Peak Repetitive Reverse Voltage	$V_{RRM}$	200	400	600	1000	V
DC Blocking Voltage	$V_R$	200	400	600	1000	V
RMS Reverse Voltage	$V_{R(RMS)}$	140	280	420	700	V
Average Forward Current ( $T_A=50^{\circ}\text{C}$ )	$I_O$		1.0			A
Peak Forward Surge Current	$I_{FSM}$		50			A
Operating and Storage Junction Temperature	$T_J, T_{stg}$		-65 to +150			$^{\circ}\text{C}$

#### ELECTRICAL CHARACTERISTICS ( $T_A=25^{\circ}\text{C}$ unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
$V_F$	$I_F=1.0\text{A}$			1.1	V
$I_R$	$V_R=\text{Rated } V_{RRM}$			10	$\mu\text{A}$
$I_R$	$V_R=\text{Rated } V_{RRM}, T_A=125^{\circ}\text{C}$			0.5	mA
$C_J$	$V_R=4.0\text{V}, f=1.0\text{MHz}$		25		pF

All dimensions in inches (mm).

### TOP VIEW

