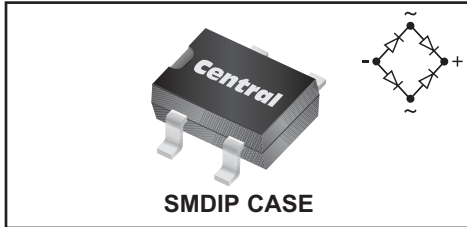


CBR2-D020S SERIES**SURFACE MOUNT
2 AMP
SILICON BRIDGE RECTIFIER**
www.centrasemi.com
DESCRIPTION:

The CENTRAL SEMICONDUCTOR CBR2-D020S series types are silicon full wave bridge rectifiers mounted in a durable epoxy surface mount molded case, utilizing glass passivated chips.

**MARKING: FULL PART NUMBER****MAXIMUM RATINGS:**(T_A=25°C unless otherwise noted)

	SYMBOL	CBR2-D020S	CBR2-D040S	CBR2-D060S	CBR2-D080S	CBR2-D100S	UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	200	400	600	800	1000	V
DC Blocking Voltage	V _R	200	400	600	800	1000	V
RMS Reverse Voltage	V _{R(RMS)}	140	280	420	560	700	V
Average Forward Current (T _A =40°C)	I _O			2.0			A
Peak Forward Surge Current	I _{FSM}			50			A
Rating for Fusing (t<8.35ms)	I ² t			10			A ² s
Operating and Storage Junction Temperature	T _J , T _{stg}			-65 to +150			°C
Typical Thermal Resistance (Note 1)	θ _{JA}			40			°C/W
Typical Thermal Resistance	θ _{JL}			15			°C/W

ELECTRICAL CHARACTERISTICS PER DIODE: (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	TYP	MAX	UNITS
I _R	V _R =Rated V _{RRM}		5.0	μA
I _R	V _R =Rated V _{RRM} , T _A =125°C		0.5	mA
V _F	I _F =2.0A		1.1	V
C _J	V _R =4.0V, f=1.0MHz	25		pF

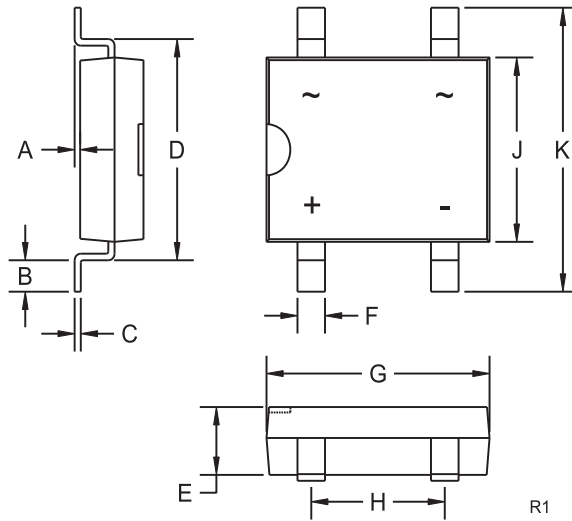
Notes: (1) Device mounted on PCB with 13mm x 13mm copper pads.

R0 (15-December 2010)

CBR2-D020S SERIES
SURFACE MOUNT
2 AMP
SILICON BRIDGE RECTIFIER



SMDIP CASE - MECHANICAL OUTLINE



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.004	0.008	0.10	0.20
B	0.040	0.060	1.02	1.52
C	0.009		0.23	
D	0.290	0.310	7.37	7.87
E	0.086	0.098	2.18	2.49
F	0.038	0.042	0.97	1.07
G	0.316	0.335	8.03	8.51
H	0.195	0.205	4.95	5.21
J	0.245	0.255	6.22	6.48
K	0.360	0.410	9.14	10.41

SMDIP (REV: R1)

MARKING: FULL PART NUMBER

R0 (15-December 2010)