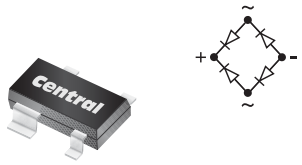
CMFBR-6F

SURFACE MOUNT
SILICON BRIDGE RECTIFIER



SOT-143 CASE

MARKING CODE: CBR2

www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMFBR-6F is a monolithic silicon full wave bridge rectifier, epoxy molded in a SOT-143 surface mount package. This device has been designed for use in computers and peripheral equipment requiring high speed switching, small size, and closely matched V_F.

FEATURES:

- Monolithic construction
- Fast switching
- All diodes share closely matched electrical characteristics.
- Very small size

MAXIMUM RATINGS: (T_A=25 °C)	**SYMBOL**		**UNITS**
Peak Repetitive Reverse Voltage	V_{RRM}	60	V
Continuous Forward Current	I_F	140	mA
Power Dissipation	P_D	350	mW
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 to +150	°C
Thermal Resistance	Θ_{JA}	357	°C/W

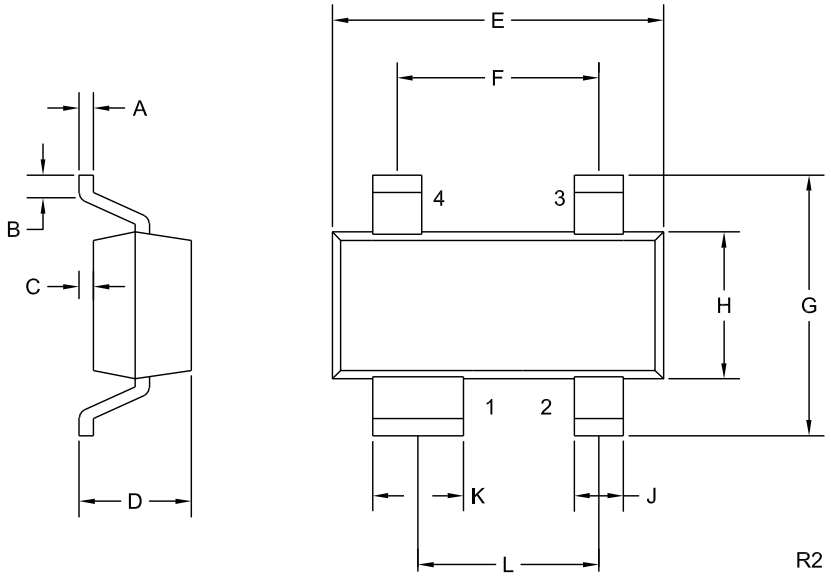
ELECTRICAL CHARACTERISTICS PER DIODE: (T_A=25 °C unless otherwise noted)

SYMBOL	**TEST CONDITIONS**	**MIN**	**TYP**	**MAX**	**UNITS**
I_R	V_R=50V			10	nA
BV_R	I_R=100μA	60			V
V_F	I_F=20mA			1.0	V
C_T	V_R=0V, f=1.0MHz		5.0		pF
t_{rr}	I_F=I_R=10mA, I_{rr}=1.0mA		1000		ns

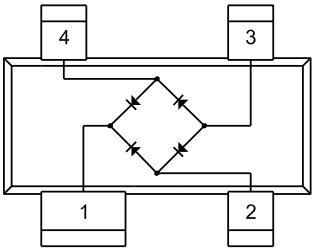
CMFBR-6F

SURFACE MOUNT
SILICON BRIDGE RECTIFIER

SOT-143 CASE - MECHANICAL OUTLINE



PIN CONIGURATION



LEAD CODE:
1) (+) DC
2) AC
3) (-) DC
4) AC

MARKING CODE: CBR2

DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
A	0.003	0.006	0.08	0.15
B	0.006	-	0.15	-
C	-	0.005	-	0.13
D	-	0.045	-	1.14
E	0.110	0.120	2.79	3.04
F	0.075		1.90	
G	-	0.098	-	2.50
H	0.047	0.055	1.19	1.40
J	0.014	0.020	0.36	0.50
K	0.030	0.037	0.76	0.93
L	0.067		1.70	

SOT-143 (REV: R2)