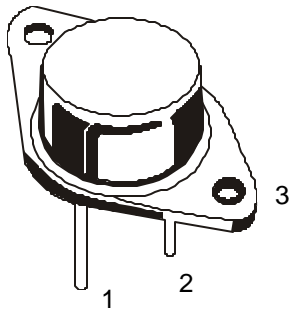
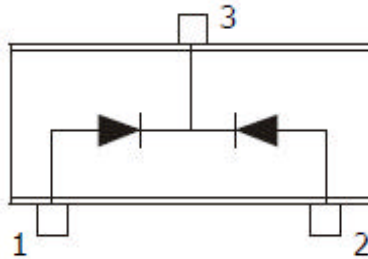


DUAL POWER RECTIFIER, COMMON CATHODE

K2446



CASE



CIRCUIT

**TO-3
Metal Can Package**

Description :

30A, 100V Dual Rectifier, Common Cathode

Marking : K2446

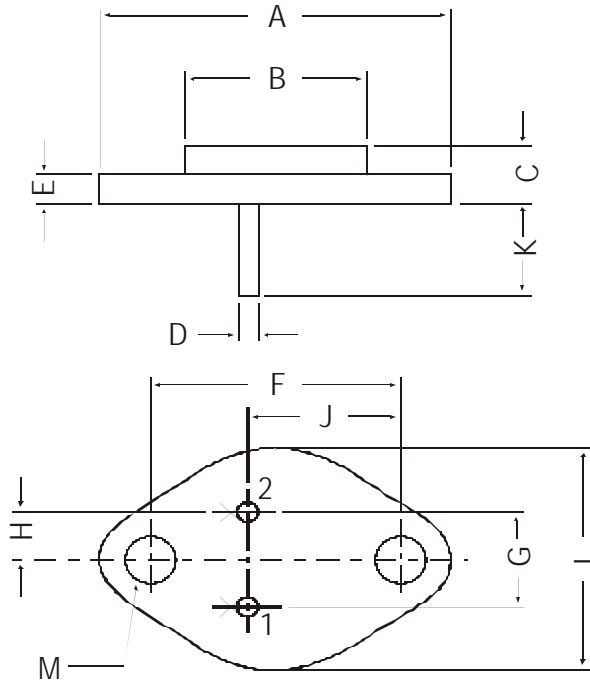
ABSOLUTE MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$)

DESCRIPTION	SYMBOL	VALUE	UNITS
Maximum D.C. Reverse Voltage	V_R	100	V
Maximum Repetitive Reverse Voltage	V_{RRM}	100	V
Maximum Repetitive Reverse Working Voltage	V_{RWM}	100	V
Output Current (15A/Diode), $T_C=100^\circ\text{C}$	I_o	30	A
Non - Repetitive Peak Surge Forward Current 1ms/ 50Hz Half Sine Wave	I_{FSM}	150	A
Thermal Characteristics	R_{thJ-C}	1.5	$^\circ\text{C/W}$
Junction Temperature Range	T_j	- 65 to +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	MAX	UNITS
Forward Voltage	V_F	$I_F=15\text{A}$, $T_A=25^\circ\text{C}$		1.2	V
Reverse Leakage Current	I_R	$V_R=100\text{V}$, $T_A=25^\circ\text{C}$		10	μA

TO-3 Metal Can Package Outline and Dimension



All dimensions in mm.

DIM	MIN.	MAX.
A	—	39.37
B	—	22.22
C	6.35	8.50
D	0.96	1.09
E	—	1.77
F	29.90	30.40
G	10.69	11.18
H	5.20	5.72
J	16.64	17.15
K	11.15	12.25
L	—	26.67
M	3.84	4.19



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Customer Notes

Disclaimer

The product information and the selection guides facilitate selection of the CDIL's Semiconductor Device(s) best suited for application in your product(s) as per your requirement. It is recommended that you completely review our Data Sheet(s) so as to confirm that the Device(s) meet functionality parameters for your application. The information furnished in the Data Sheet and on the CDIL Web Site/CD is believed to be accurate and reliable. CDIL however, does not assume responsibility for inaccuracies or incomplete information. Furthermore, CDIL does not assume liability whatsoever, arising out of the application or use of any CDIL product; neither does it convey any license under its patent rights nor rights of others. These products are not designed for use in life saving/support appliances or systems. CDIL customers selling these products (either as individual Semiconductor Devices or incorporated in their end products), in any life saving/support appliances or systems or applications do so at their own risk and CDIL will not be responsible for any damages resulting from such sale(s).

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