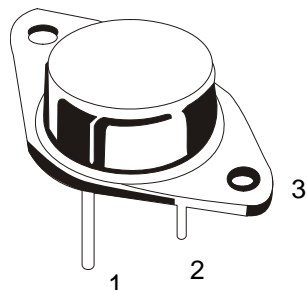
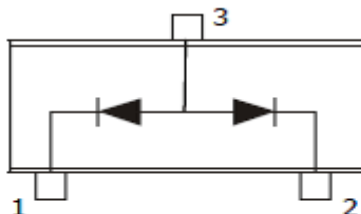


## DUAL POWER RECTIFIER, COMMON ANODE

**A2436**



**CASE**



**CIRCUIT**

**TO-3  
Metal Can Package**

### Description :

40A, 100V Dual Rectifier, Common Anode

Marking : A2436

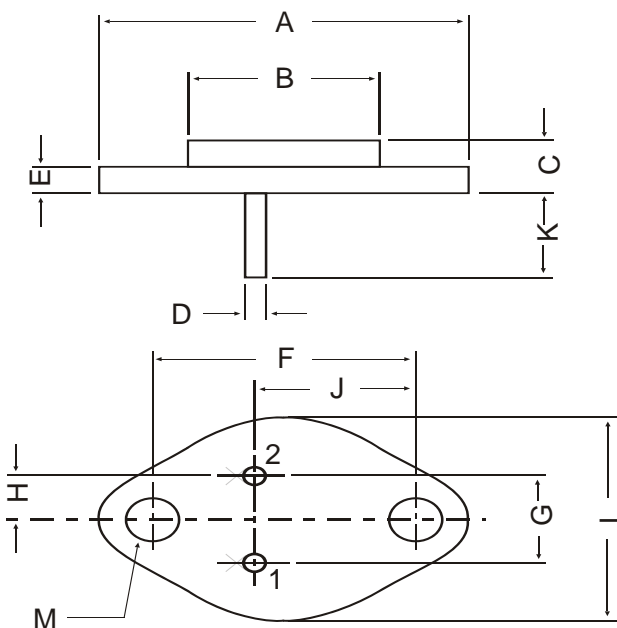
### ABSOLUTE MAXIMUM RATINGS ( $T_A = 25^\circ\text{C}$ )

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 (20A/Diode), $T_C=100^\circ\text{C}$	$I_O$	40	A
Non - Repetitive Peak Surge Forward Current 1ms/ 50Hz Half Sine Wave	$I_{FSM}$	300	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	$V_F$	$I_F=20\text{A}$ , $T_A=25^\circ\text{C}$		1.3	V
Reverse Leakage Current	$I_R$	$V_R=100\text{V}$ , $T_A=25^\circ\text{C}$		500	$\mu\text{A}$

## 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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