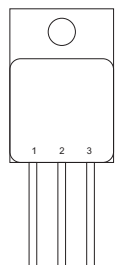
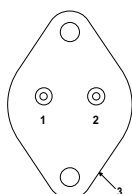


## 3 AMP POSITIVE ADJUSTABLE VOLTAGE REGULATOR



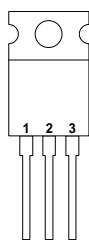
Pin 1 – ADJ.  
 Pin 2 –  $V_{OUT}$   
 Case –  $V_{IN}$

**Q Package – TO254**



Pin 1 – ADJ.  
 Pin 2 –  $V_{IN}$   
 Case –  $V_{OUT}$

**K Package – TO-3**



Pin 1 – ADJ.  
 Pin 2 –  $V_{OUT}$   
 Pin 3 –  $V_{IN}$   
 Case –  $V_{OUT}$

**V Package – TO-247AD**

Pin 1 – ADJ.  
 Pin 2 –  $V_{OUT}$   
 Pin 3 –  $V_{IN}$   
 Case –  $V_{OUT}$

**T Package – TO-220**

Pin 1 – ADJ.  
 Pin 2 –  $V_{OUT}$   
 Pin 3 –  $V_{IN}$   
 Case –  $V_{OUT}^*$

**G Package – TO-257**

**IG Package - TO-257**

\* Isolated case on IG Package

### FEATURES

- OUTPUT VOLTAGE RANGE OF 1.25 TO 35V
- 1% OUTPUT VOLTAGE TOLERANCE (–A VERSIONS)
- 0.3% LOAD REGULATION
- 0.01%/V LINE REGULATION
- COMPLETE SERIES OF PROTECTIONS:
  - CURRENT LIMITING
  - THERMAL SHUTDOWN
  - SOA CONTROL

### Order Information

Part Number	K-Pack (TO-3)	G/IG-Pack (TO-257)	T-Pack (TO-220)	V-Pack (TO-247AD)	Q-Pack (TO-254)	Temp. Range	Note:
IP150A	✓	✓			✓	-55 to +150°C	To order, add the package identifier to the part number. eg. IP150AQ
IP150	✓	✓			✓	"	
LM150	✓				✓	-55 to +150°C	
IP350A	✓		✓	✓		0 to 125°C	
IP350	✓		✓	✓		"	

### ABSOLUTE MAXIMUM RATINGS ( $T_{case} = 25^{\circ}C$ unless otherwise stated)

$V_{I-O}$	Input - Output Differential Voltage	35V
$P_D$	Power Dissipation	Internally limited
$T_J$	Operating Junction Temperature Range	See Table Above
$T_{STG}$	Storage Temperature	–65 to 150°C
$T_L$	Lead Temperature (Soldering, 10 sec.)	300°C

Semelab Plc reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by Semelab is believed to be both accurate and reliable at the time of going to press. However Semelab assumes no responsibility for any errors or omissions discovered in its use. Semelab encourages customers to verify that datasheets are current before placing orders.