

3-Terminal 0.5A Positive Voltage Regulator ME78M05

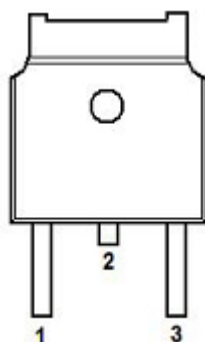
General Description

ME78M05 is a three-terminal positive regulator. Internal current limiting, thermal shutdown circuitry and safe-area compensation for the internal pass transistor combine to make these devices remarkably rugged under most operating conditions. Maximum output current, with adequate heat-sinking is 500 mA.

Features

- Output Current up to 0.5A
- Output Voltages of 5V
- Thermal Overload Protection
- Short Circuit Protection
- Package: TO252

Pin Configuration



1. Input
2. GND
3. Output

Maximum Ratings(Ta=25°C)

Parameter	Rating	Unit
Input supply voltage : VIN	35	V
MAX. Output current:I _{out}	500	mA
Maximum junction temperature: T _j	-25~125	°C
Storage temperature :T _{str}	-55~150	°C
Soldering temperature and time	+260 (Recommended 10S)	°C

Caution: The absolute maximum ratings are rated values exceeding which the product could suffer physical damage. These values must therefore not be exceeded under any conditions.