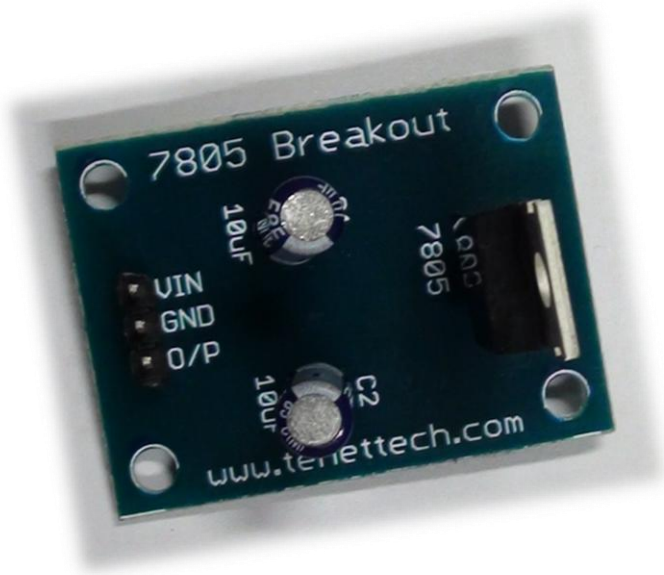


2016



Tenet's 7805 regulator breakout



Contents

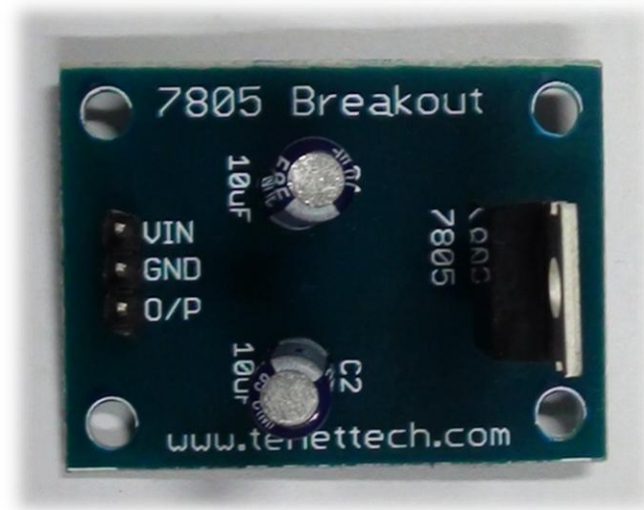
Introduction	2
Features	3
Applications	3
Pin details	3
Electrical Specifications	4



Introduction

7805 is a voltage regulator integrated circuit. It is a member of 78xx series of fixed linear voltage regulator ICs. The voltage source in a circuit may have fluctuations and would not give the fixed voltage output. The voltage regulator IC maintains the output voltage at a constant value. The xx in 78xx indicates the fixed output voltage it is designed to provide. 7805 provides +5V regulated power supply. Capacitors of suitable values can be connected at input and output pins depending upon the respective voltage levels.





Features

- Output Current up to 1A
- Output Voltages of 5V
- Thermal Overload Protection
- Short Circuit Protection
- Output Transistor Safe Operating Area Protection

Applications

- Regulated Power Supplies
- Switch mode Power supply (SMPS)
- Home appliances

Pin details

Pin no.	Header pin	Function
1	VIN	Input voltage (5V – 18V)



2	GND	GND
3	O/P	Regulated output (4.8V – 5.2V)

Electrical Specifications

Symbol	Parameter	Min.	Typ.	Max.
Vi	Input Voltage	5V	7V	18V
Vo	Output Voltage	4.8V	5	5.2
Io	Output current	-	1.5A	-

