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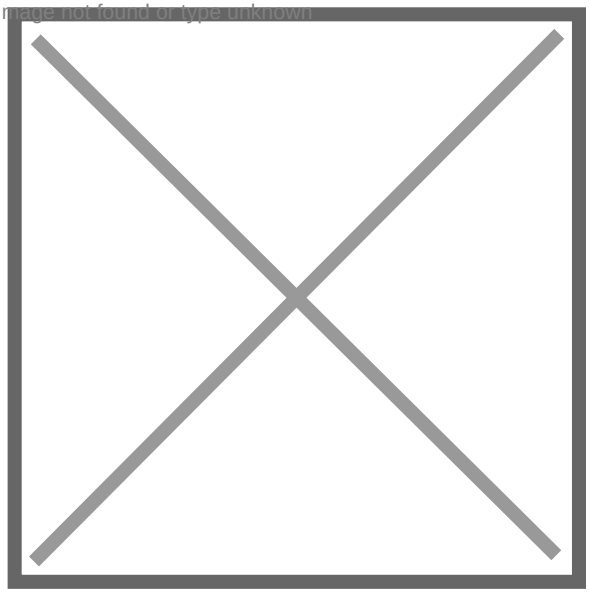
Product Name :

IC Chip

Product Code :

SCL-449/121

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Description :

IC Chip (Product Code: SCL-449/121) is a leaded DIP integrated circuit used to build timer, oscillator and pulse circuits in electronics and physics laboratories. It is offered in different configurations and type numbers, including the widely taught 555 timer, and is listed for 5 V operation. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, aphysics instruments supplier in India, to schools, colleges and project students.

Specifications

Parameter	Detail
Type	Integrated circuit (IC) chip
Configurations	Different configurations / type numbers
Example IC	555 timer, for timer, pulse generation and oscillator applications
Mounting type	DIP
Lead type	Leaded
Voltage	5 V
Usage	Electronics
Applications	Precision timing, pulse generation, sequential timing, time delay generation, pulse width modulation
555 derivatives	Up to four timing circuits in one package
Product code	SCL-449/121
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the IC Chip Used For?

The 555 timer is one of the first integrated circuits students meet, because a few resistors and a capacitor turn it into a working timer. Wired as a monostable it gives a single time delay; as an astable it runs as an oscillator that can flash an LED or sound a buzzer; and it can also act as a flip-flop element. Derivative packages provide up to four timing circuits in one chip.

The DIP (dual in-line package) format fits breadboards and IC sockets, which suits trial-and-error circuit building in class. Insert the chip with its pin-1 notch or dot facing the right way, keep the supply to the 5 V rating, and touch an earthed surface before handling to discharge static. From simple LED flashers, students can progress to pulse width modulation and sequential timing, making the IC a useful piece of science lab equipment for class 12 electronics topics.

What to Specify When Ordering

- IC type number or configuration, for example the 555 timer or another number from your circuit.
- Operating voltage: confirm that the 5 V listing fits your circuit
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