



1A Output 78 Series Regulator, Insert type - BA17805CP

Part Number: BA17805CP-E2

PACKAGE: TO220CP-3

ROHM's broad lineup of 78 series regulators is available in 11 output voltages (5V, 6V, 7V, 8V, 9V, 10V, 12V, 15V, 18V, 20V, and 24V), 2 current types, and different package configurations, making them ideal for a wide variety of applications. Pin-compatible models are also available for greater compatibility. In addition, multiple protection circuits are integrated (i.e. overcurrent, overvoltage), ensuring a high degree of reliability under any environment.



SPECIFICATIONS:

Grade

Standard

Breakdown Voltage(Max.)[V]

35.0

ch

1

Vin(Min.)[V]

7.5

Vin(Max.)[V]

25.0

Vout (Typ.) [V]

5

Vout Precision

±4.0%

Iout(Max.)[A]

1.0

Circuit Current[mA]

4.5

Shutdown Function

No

Thermal Shut-down

Yes

Over Current Protection

Yes

Over Voltage Protection

No

Discharge Function

No

Soft Start

No

Additional Feature

ASO(Area of Safe Operation)

Operating Temperature (Min.)[°C]

-40

Operating Temperature (Max.)[°C]

85

FEATURES:

- Built-in overcurrent and thermal cutoff circuits
- Excellent ripple rejection characteristics
- Two package types (TO220CP-3, TO252-3) available for greater compatibility

