


LDO Regulator Pos 0.8A 4-Pin(3+Tab) SOT-223 T/R

Manufacturer:	Diodes Inc
Package/Case:	SOT223
Product Type:	Power Management ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The AZ1117C is a low dropout three-terminal regulator.

The AZ1117C has been optimized for low voltage where transient response and minimum input voltage are critical. It provides current limit and thermal shutdown. Its circuit includes a trimmed bandgap reference to assure output voltage accuracy to be within $\pm 1\%$. On-chip thermal shutdown provides protection against a combination of high current and ambient temperature that would create excessive junction temperature.

The AZ1117C is available in 1.2V, 1.5V, 1.8V, 2.5V, 3.3V, 5.0V fixed output voltage versions and ADJ output voltage version. The fixed versions integrate the adjust resistors. It is also available in an adjustable version which can set the output voltage with two external resistors.

The AZ1117C is available in the industry-standard TO2522 (3), TO2522 (4), and TO2522 (5), SOT89-3L and SOT223 power packages.

Key Features

Current Limit: 1.35A (Typ)

Output Noise from 10Hz to 10KHz: 0.003% of VOUT

PSRR at IOU_T = 300mA and f = 120Hz: 70dB

Output Voltage Accuracy: $\pm 1\%$ (Except 1.2V version)

On-chip Thermal Shutdown

Maximum Quiescent Current: IQ_{MAX} = 6mA

Compatible with Low ESR Ceramic Capacitor

Operation Junction Temperature: -20°C to +125°C

Totally Lead-Free & Fully RoHS Compliant

Halogen and Antimony Free. "Green" Device

Application

USB Device

Add-On Card

DVD Player

PC Motherboard



Recommended For You

AS431AZIR-E1

Diodes Inc

TO-92

AZ34063UMIR-G1

Diodes Inc

SOP8

AZ1084CD-ADJTRG1

Diodes Inc

TO-252

AZ431LANIR-G1

Diodes Inc

SOT23-3

AZ431LBNIR-G1

Diodes Inc

SOT-23

AP3012KIR-G1

Diodes Inc

SOT23-5

PAM2306AYPKE

Diodes Inc

WDFN-EP-12

AP2171WG-7

Diodes Inc

SOT23-5

AP2411MP-13

Diodes Inc

MSOP8

AP22966DC8-7

Diodes Inc

DFN-14

APX811-29UG-7

Diodes Inc

SOT143

AP9101CAK6-ABTRG1

Diodes Inc

SOT-26

AP2511M8-13

Diodes Inc

MSOP8

DGD2101MS8-13

Diodes Inc

SOP8

AP2181DMPG-13

Diodes Inc

MSOP8