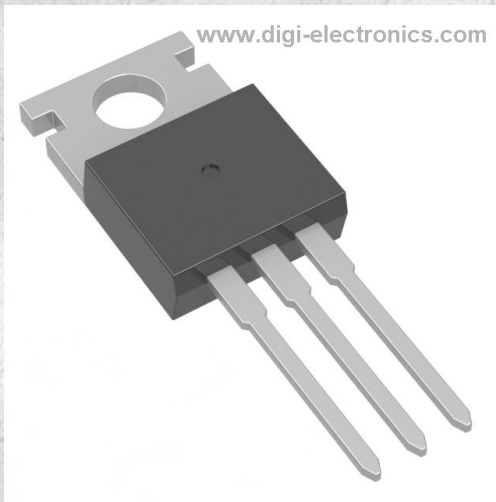


AS7805AT-E1 Datasheet



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	AS7805AT-E1-DG
Manufacturer	Diodes Incorporated
Manufacturer Product Number	AS7805AT-E1
Description	IC REG LINEAR 5V 1A TO220-3
Detailed Description	Linear Voltage Regulator IC Positive Fixed 1 Output 1A TO-220-3



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

AS7805AT-E1

Series:

-

Output Configuration:

Positive

Number of Regulators:

1

Voltage - Output (Min/Fixed):

5V

Voltage Dropout (Max):

2V @ 1A (Typ)

Current - Quiescent (Iq):

6 mA

Control Features:

-

Operating Temperature:

-40°C ~ 125°C

Package / Case:

TO-220-3

Base Product Number:

AS7805

Manufacturer:

Diodes Incorporated

Product Status:

Active

Output Type:

Fixed

Voltage - Input (Max):

25V

Voltage - Output (Max):

-

Current - Output:

1A

PSRR:

70dB (120Hz)

Protection Features:

Over Temperature, Short Circuit

Mounting Type:

Through Hole

Supplier Device Package:

TO-220-3

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8542.39.0001

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99



AS78XXA

1A 3-TERMINAL POSITIVE VOLTAGE REGULATOR

Description

The AS78XXA series are three-terminal positive voltage regulators designed for a wide variety of applications including local, on-card regulation.

The AS78XXA are complete with internal current limiting, thermal shutdown protection, and safe-area compensation which make them virtually immune from output overload. If adequate heat sinking is provided, these regulators can deliver output currents of up to 1A.

The AS78XXA are available in TO-220-3, TO-220-3 (2), TO-252-2 (5), TO252 (Type CJ) and TO-263-2 packages.

Applications

- High-efficiency linear regulators
- Post regulation for switching supplies
- Microprocessor power supplies
- Motherboards
- Telecommunication.

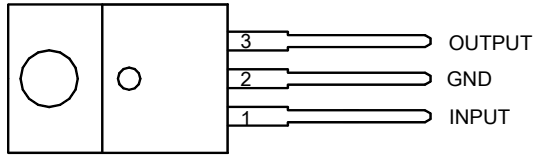
Features

- Output Current up to 1A
- Fixed Output Voltages of 5V, 12V, 15V
- Output Voltage Accuracy of $\pm 4\%$ over the Full Temperature Range
- Internal Short-Circuit Current Limiting
- Internal Thermal Overload Protection
- Output Transistor Safe-Area Protection
- Low Load Regulation
- Stable Performance in High Temperature
- Lead-Free Packages: TO-220-3, TO-220-3 (2)
 - **Totally Lead-Free; RoHS Compliant (Notes 1 & 3)**
- Available in "Green" Packages: TO-220-3, TO-220-3 (2), and TO-263-2
 - **Lead-Free Finish; RoHS Compliant (Notes 2 & 3)**
 - **Halogen and Antimony Free. "Green" Device (Note 4)**
- Lead-Free Packages, Available in "Green" Molding Compound: TO-252-2 (5), TO252 (Type CJ)
 - **Totally Lead-Free & Fully RoHS Compliant (Notes 1 & 3)**
 - **Halogen and Antimony Free. "Green" Device (Note 4)**
- **For automotive applications requiring specific change control (i.e. parts qualified to AEC-Q100/101/104/200, PPAP capable, and manufactured in IATF 16949 certified facilities), please [contact us](#) or your local Diodes representative. <https://www.diodes.com/quality/product-definitions/>**

- Notes:
1. No purposely added lead. Fully EU Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS 2) & 2015/863/EU (RoHS 3) compliant.
 2. EU Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS 2) & 2015/863/EU (RoHS 3) compliant. All applicable RoHS exemptions applied.
 3. See <https://www.diodes.com/quality/lead-free/> for more information about Diodes Incorporated's definitions of Halogen- and Antimony-free, "Green" and Lead-free.
 4. Halogen- and Antimony-free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

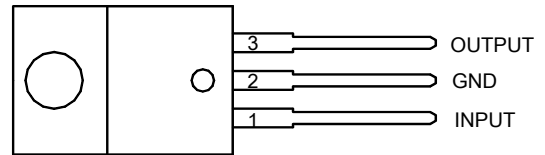
Pin Assignments

(Front View)



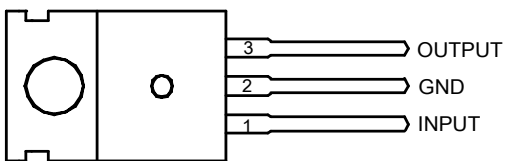
TO-220-3 (Option 1)

(Front View)



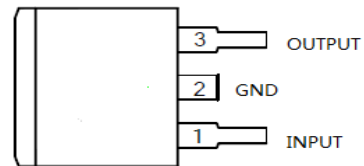
TO-220-3 (Option 2)

(Front View)



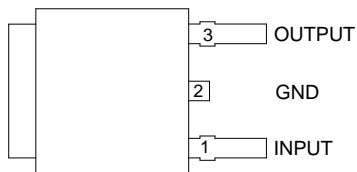
TO-220-3 (2)

(Front View)



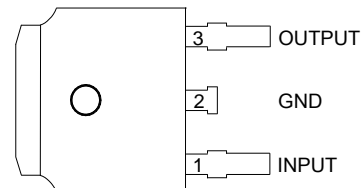
TO-263-2

(Top View)



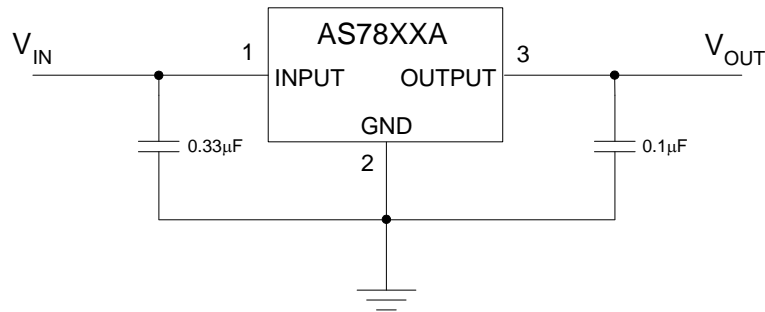
TO-252-2 (5)

(Top View)



TO252 (Type CJ)

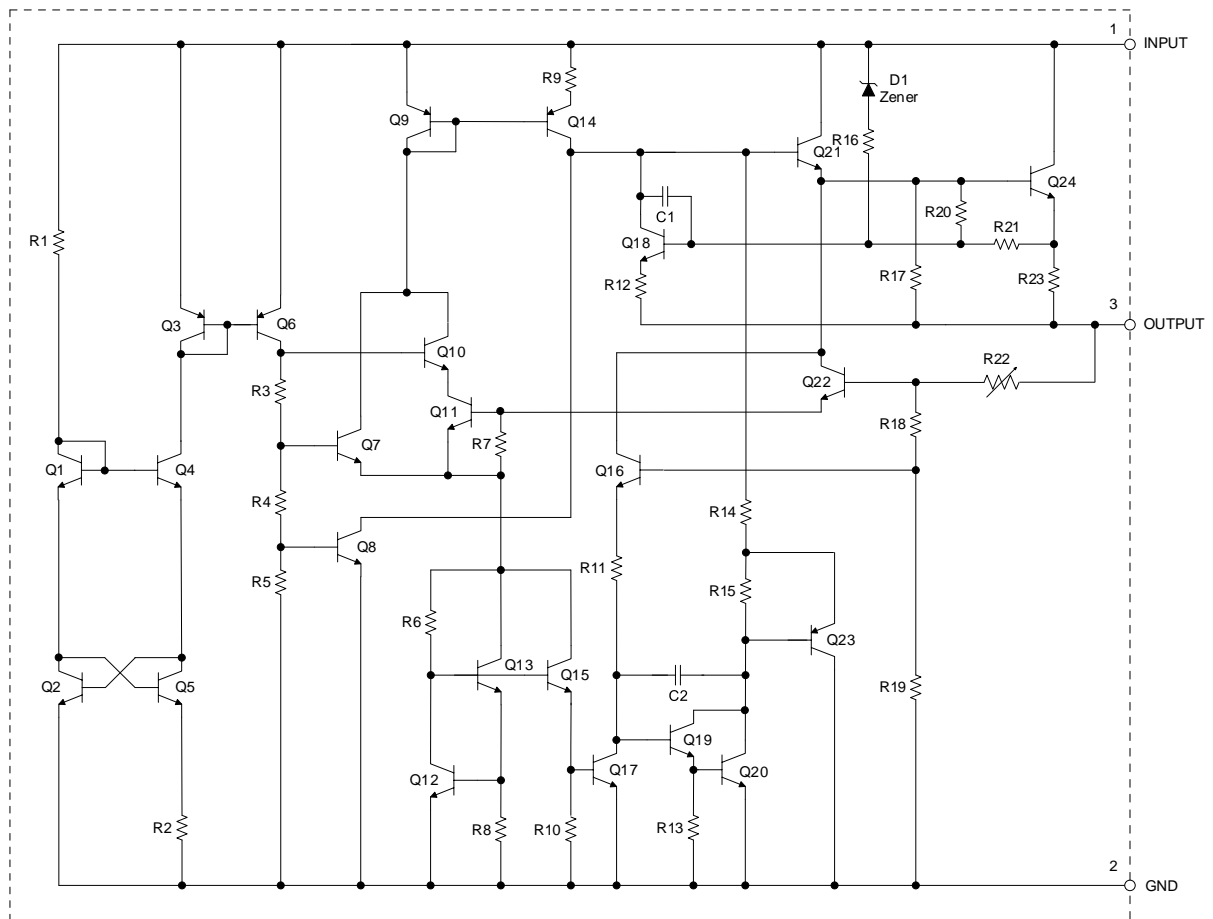
Typical Applications Circuit



Pin Descriptions

Pin Number	Pin Name	Function
1	INPUT	Voltage Input
2	GND	Ground
3	OUTPUT	Voltage Output

Functional Block Diagram





AS78XXA

Absolute Maximum Ratings (Note 5)

Symbol	Parameter		Rating	Unit
V _{IN}	Input Voltage		36	V
T _{LEAD}	Lead Temperature (Soldering, 10sec)		+260	°C
P _D	Power Dissipation		Internally Limited	W
T _J	Operating Junction Temperature		+150	°C
T _{STG}	Storage Temperature Range		-65 to +150	°C
θ _{JA}	Thermal Resistance	TO-220-3	60	°C/W
		TO-220-3 (2)		
		TO-252-2 (5)	100	
		TO252 (Type CJ)	50	
TO-263-2				
ESD	ESD (Human Body Model)		6000	V
ESD	ESD (Machine Model)		500	V

Note: 5. Stresses greater than those listed under *Absolute Maximum Ratings* can cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated under *Recommended Operating Conditions* is not implied. Exposure to *Absolute Maximum Ratings* for extended periods can affect device reliability.

Recommended Operating Conditions

Symbol	Parameter		Min	Max	Unit
V _{IN}	Input Voltage	AS7805A	—	25	V
		AS7812A	—	32	
		AS7815A	—	32	
T _J	Operating Junction Temperature Range		-40	+125	°C



AS78XXA

Electrical Characteristics

AS7805A (@ $V_{IN} = 10V$, $I_{OUT} = 1A$, $T_J = -40$ to $+125^\circ C$, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
V_{OUT}	Output Voltage	$T_J = +25^\circ C$	4.9	5	5.1	V
		$I_{OUT} = 5mA$ to $1A$, $V_{IN} = 7.5V$ to $20V$ $P_D \leq 15W$	4.8	—	5.2	
V_{RLINE}	Line Regulation	$V_{IN} = 7.5V$ to $20V$ $I_{OUT} = 500mA$, $T_J = +25^\circ C$	—	25	50	mV
V_{RLOAD}	Load Regulation	$V_{IN} = 10V$, $I_{OUT} = 5mA$ to $1A$ $T_J = +25^\circ C$	—	20	50	mV
I_Q	Quiescent Current	$V_{IN} = 10V$, $I_{OUT} = 0$	—	3.2	6	mA
ΔI_Q	Quiescent Current Change	$V_{IN} = 8V$ to $25V$, $I_{OUT} = 500mA$ $T_J = +25^\circ C$	—	0.3	0.8	mA
		$I_{OUT} = 5mA$ to $1A$, $T_J = +25^\circ C$	—	0.08	0.5	
PSRR	Ripple Rejection	$V_{IN} = 8V$ to $18V$, $f = 120Hz$ $I_{OUT} = 500mA$	—	70	—	dB
V_{DROP}	Dropout Voltage	$\Delta V_{OUT} = 1\%$, $I_{OUT} = 1A$ $T_J = +25^\circ C$	—	2	—	V
N_O	Output Noise Voltage	$f = 10Hz$ to $100kHz$, $T_A = +25^\circ C$	—	10	—	$\mu V/V_O$
R_O	Output Resistance	$f = 1kHz$	—	10	—	m Ω
I_{SC}	Short-Circuit Current	$V_{IN} = 35V$, $T_A = +25^\circ C$	—	0.05	—	A
I_{PK}	Peak Output Current	$V_{IN} = 10V$, $T_J = +25^\circ C$	—	2.2	—	A
$\Delta V_{OUT}/\Delta T$	Output Voltage Temperature Coefficient	—	—	0.4	—	mV/ $^\circ C$
$(\Delta V_{OUT}/V_{OUT})/\Delta T$		—	—	80	—	ppm/ $^\circ C$
θ_{JC}	Thermal Resistance	TO-220-3/TO-220-3 (2)	—	9	—	$^\circ C/W$
		TO-252-2 (5)/TO252 (Type CJ)	—	16	—	
		TO-263-2	—	6	—	



AS78XXA

Electrical Characteristics (continued)

AS7812A (@ $V_{IN} = 19V$, $I_{OUT} = 1A$, $T_J = -40$ to $+125^\circ C$, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
V_{OUT}	Output Voltage	$T_J = +25^\circ C$	11.75	12	12.25	V
		$I_{OUT} = 5mA$ to $1A$, $V_{IN} = 14.8V$ to $27V$ $P_D \leq 15W$	11.5	—	12.5	
V_{RLINE}	Line Regulation	$V_{IN} = 14.8V$ to $27V$ $I_{OUT} = 500mA$, $T_J = +25^\circ C$	—	25	120	mV
V_{RLOAD}	Load Regulation	$V_{IN} = 19V$, $I_{OUT} = 5mA$ to $1A$ $T_J = +25^\circ C$	—	40	120	mV
I_Q	Quiescent Current	$V_{IN} = 19V$, $I_{OUT} = 0$	—	3.4	6	mA
ΔI_Q	Quiescent Current Change	$V_{IN} = 14.8V$ to $30V$, $I_{OUT} = 500mA$ $T_J = +25^\circ C$	—	0.3	0.8	mA
		$I_{OUT} = 5mA$ to $1A$, $T_J = +25^\circ C$	—	0.08	0.5	
PSRR	Ripple Rejection	$V_{IN} = 15V$ to $25V$, $f = 120Hz$ $I_{OUT} = 500mA$	—	60	—	dB
V_{DROP}	Dropout Voltage	$\Delta V_{OUT} = 1\%$, $I_{OUT} = 1A$ $T_J = +25^\circ C$	—	2	—	V
N_O	Output Noise Voltage	$f = 10Hz$ to $100kHz$, $T_A = +25^\circ C$	—	10	—	$\mu V/V_O$
R_O	Output Resistance	$f = 1kHz$	—	11	—	m Ω
I_{SC}	Short-Circuit Current	$V_{IN} = 35V$, $T_A = +25^\circ C$	—	0.2	—	A
I_{PK}	Peak Output Current	$V_{IN} = 18V$, $T_J = +25^\circ C$	—	2.2	—	A
$\Delta V_{OUT}/\Delta T$	Output Voltage Temperature Coefficient	—	—	0.96	—	mV/ $^\circ C$
$(\Delta V_{OUT}/V_{OUT})/\Delta T$		—	—	80	—	ppm/ $^\circ C$
θ_{JC}	Thermal Resistance	TO-220-3/TO-220-3 (2)	—	9	—	$^\circ C/W$
		TO-252-2 (5)/TO252 (Type CJ)	—	16	—	



AS78XXA

Electrical Characteristics (continued)

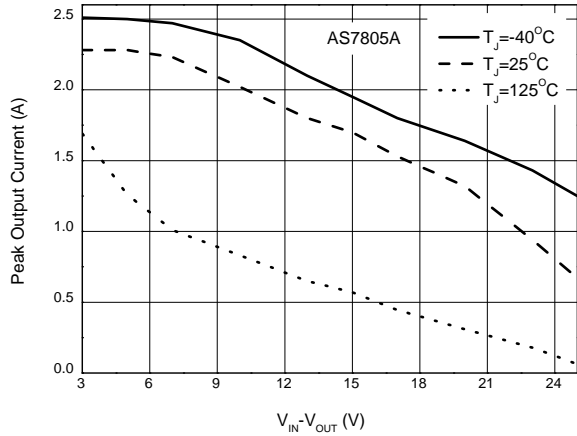
AS7815A (@ $V_{IN} = 23V$, $I_{OUT} = 1A$, $T_J = -40$ to $+125^\circ C$, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
V_{OUT}	Output Voltage	$T_J = +25^\circ C$	14.7	15	15.3	V
		$I_{OUT} = 5mA$ to $1A$, $V_{IN} = 17.9V$ to $30V$ $P_D \leq 15W$	14.4	—	15.6	
V_{RLINE}	Line Regulation	$V_{IN} = 17.9V$ to $30V$ $I_{OUT} = 500mA$, $T_J = +25^\circ C$	—	35	150	mV
V_{RLOAD}	Load Regulation	$V_{IN} = 23V$, $I_{OUT} = 5mA$ to $1A$ $T_J = +25^\circ C$	—	70	150	mV
I_Q	Quiescent Current	$V_{IN} = 23V$, $I_{OUT} = 0$	—	3.4	6	mA
ΔI_Q	Quiescent Current Change	$V_{IN} = 17.9V$ to $30V$, $I_{OUT} = 500mA$ $T_J = +25^\circ C$	—	0.3	0.8	mA
		$I_{OUT} = 5mA$ to $1A$, $T_J = +25^\circ C$	—	0.08	0.5	
PSRR	Ripple Rejection	$V_{IN} = 18.5V$ to $28.5V$, $f = 120Hz$ $I_{OUT} = 500mA$	—	58	—	dB
V_{DROP}	Dropout Voltage	$\Delta V_{OUT} = 1\%$, $I_{OUT} = 1A$, $T_J = +25^\circ C$	—	2	—	V
N_O	Output Noise Voltage	$f = 10Hz$ to $100kHz$, $T_A = +25^\circ C$	—	10	—	$\mu V/V_O$
R_O	Output Resistance	$f = 1kHz$	—	11	—	m Ω
I_{SC}	Short-Circuit Current	$V_{IN} = 35V$, $T_A = +25^\circ C$	—	0.2	—	A
I_{PK}	Peak Output Current	$V_{IN} = 21V$, $T_J = +25^\circ C$	—	2.2	—	A
$\Delta V_{OUT}/\Delta T$	Output Voltage Temperature Coefficient	—	—	1.2	—	mV/ $^\circ C$
$(\Delta V_{OUT}/V_{OUT})/\Delta T$		—	—	80	—	ppm/ $^\circ C$
θ_{JC}	Thermal Resistance	TO-220-3/TO-220-3 (2)	—	9	—	$^\circ C/W$
		TO-252-2 (5)/TO252 (Type CJ)	—	16	—	

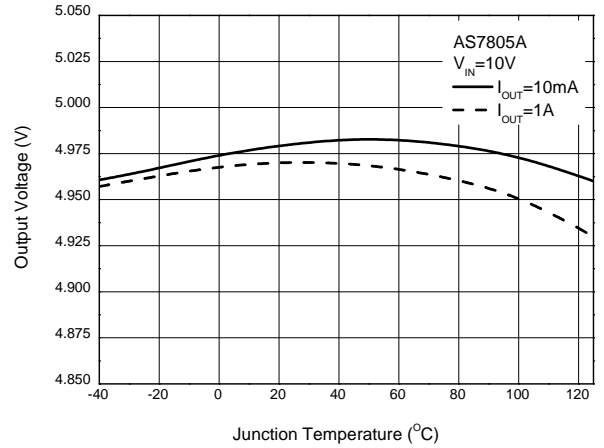


Performance Characteristics

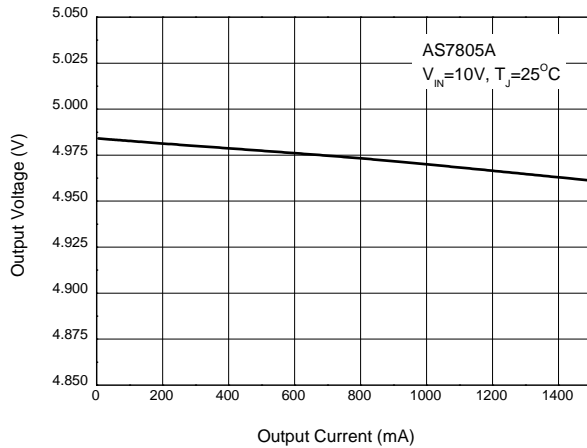
Peak Output Current vs. Input/Output Differential Voltage



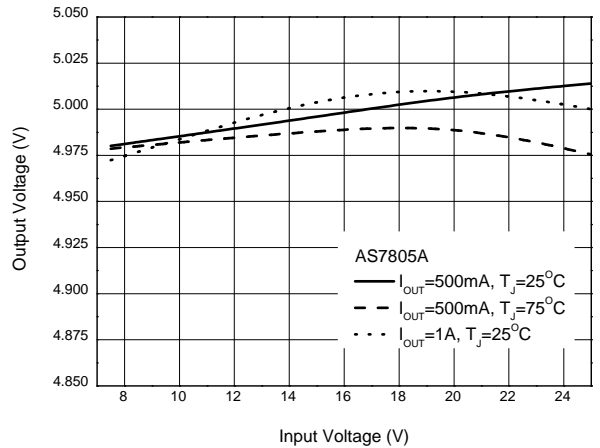
Output Voltage vs. Junction Temperature



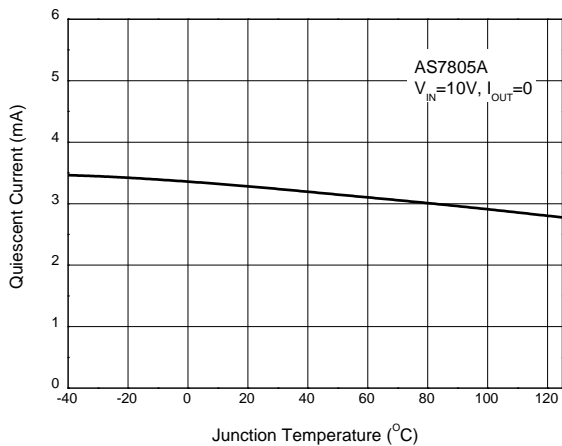
Output Voltage vs. Output Current



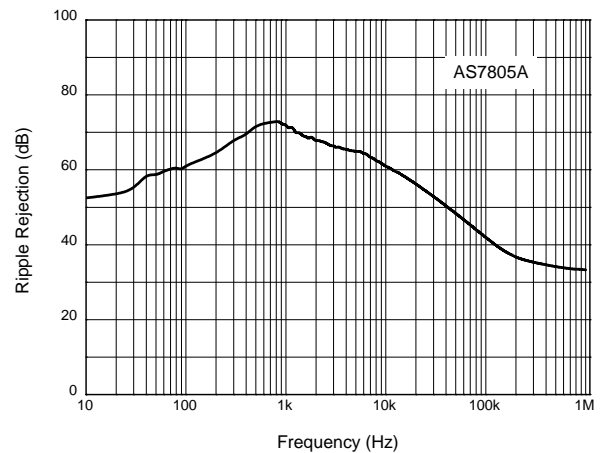
Output Voltage vs. Input Voltage



Quiescent Current vs. Junction Temperature

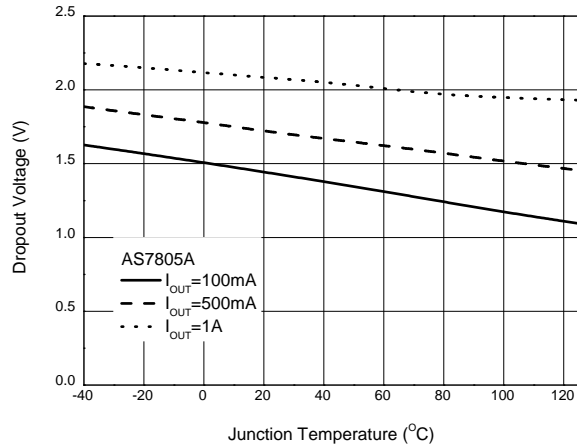


Ripple Rejection vs. Frequency

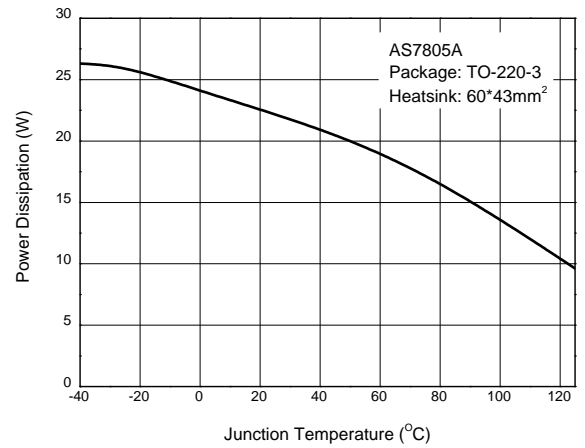


Performance Characteristics (continued)

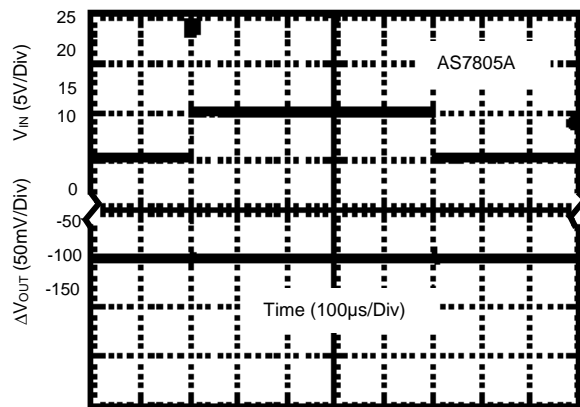
Dropout Voltage vs. Junction Temperature



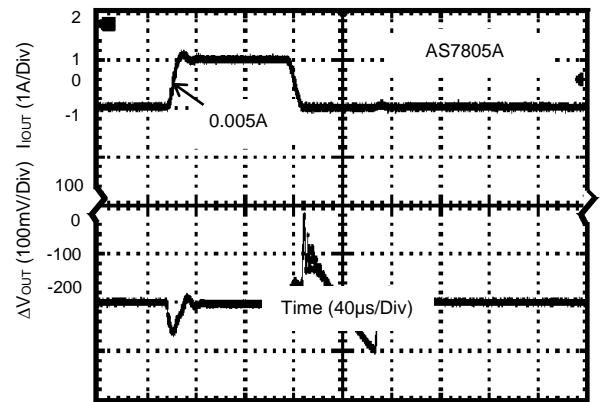
Power Dissipation vs. Junction Temperature



Line Transient (Conditions: $I_{OUT} = 500\text{mA}$, $C_{OUT} = 0.1\mu\text{F}$)

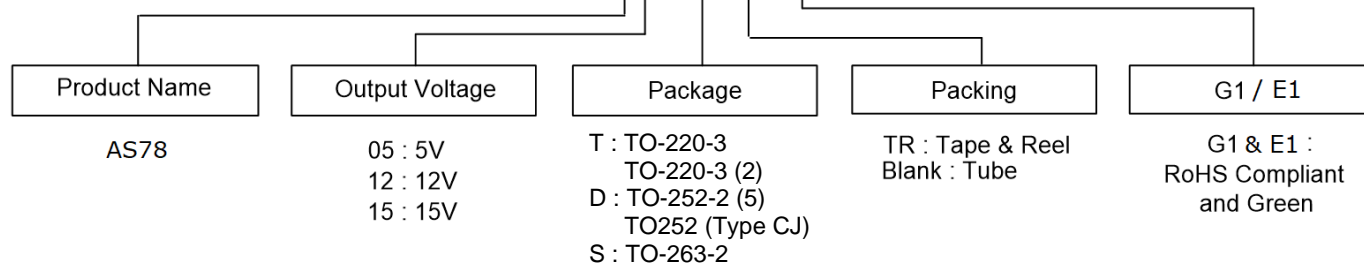


Load Transient (Conditions: $V_{IN} = 10\text{V}$, $C_{IN} = 0.33\mu\text{F}$, $C_{OUT} = 0.1\mu\text{F}$)



Ordering Information

AS78XXA X XX - XX



Orderable Part Number	Package (Note 6)	Output Voltage (V)	RoHS Compliant Lead Free/ Green	Marking ID	Packing	
					Qty.	Carrier
AS7805ADTR-E1	TO-252-2 (5) TO252 (Type CJ)	5	Green	AS7805AD-E1	2500	Tape & Reel
AS7805ADTR-G1		5	Green	AS7805AD-G1	2500	Tape & Reel
AS7805AT-E1	TO-220-3 TO-220-3 (2)	5	Green	AS7805AT-E1	1000	Tube
AS7805ASTR-G1	TO-263-2	5	Green	AS7805AS-G1	800	Tape & Reel

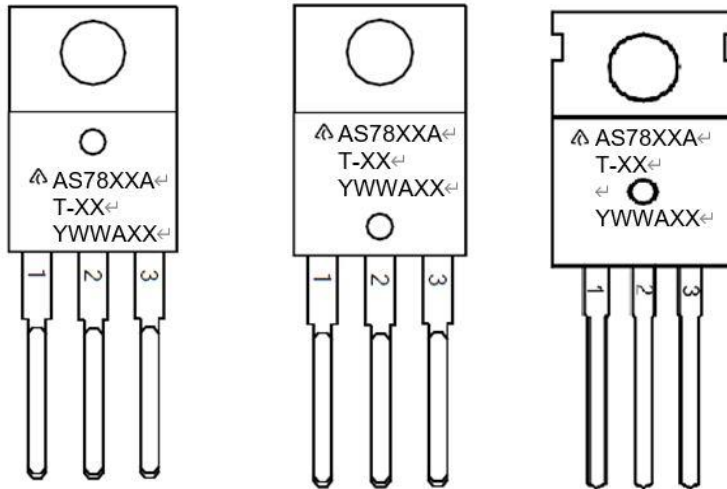
Orderable Part Number	Package (Note 6)	Output Voltage (V)	RoHS Compliant Lead Free/ Green	Marking ID	Packing	
					Qty.	Carrier
AS7812ADTR-G1	TO-252-2 (5) TO252 (Type CJ)	12	Green	AS7812AD-G1	2500	Tape & Reel
AS7812AT-E1	TO-220-3 TO-220-3 (2)	12	Lead Free	AS7812AT-E1	1000	Tube
AS7815ADTR-G1	TO-252-2 (5) TO252 (Type CJ)	15	Green	AS7815AD-G1	2500	Tape & Reel
AS7815AT-E1	TO-220-3 TO-220-3 (2)	15	Lead Free	AS7815AT-E1	1000	Tube

Note: 6. For packaging details, go to our website at: <https://www.diodes.com/design/support/packaging/diodes-packaging/>.

Marking Information

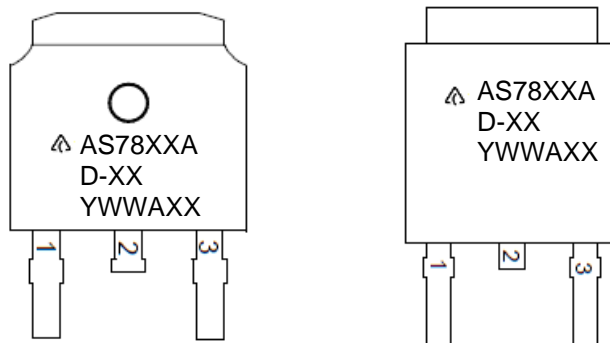
(1) TO-220-3/TO-220-3 (2)

(Front View)



First and Second Lines: Logo and Marking ID
(See *Ordering Information*)
Third Line: Date Code
Y: Year
WW: Work Week of Molding
A: Assembly House Code
XX: Internal Code

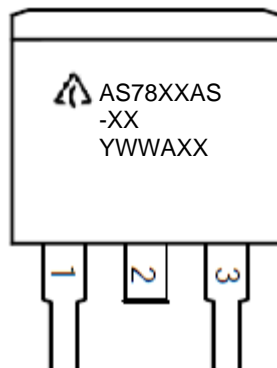
(2) TO252 (Type CJ)/TO-252-2 (5)



First and Second Lines: Logo and Marking ID
(See *Ordering Information*)
Third Line: Date Code
Y: Year
WW: Work Week of Molding
A: Assembly House Code
XX: Internal Code

(3) TO-263-2

(Top View)

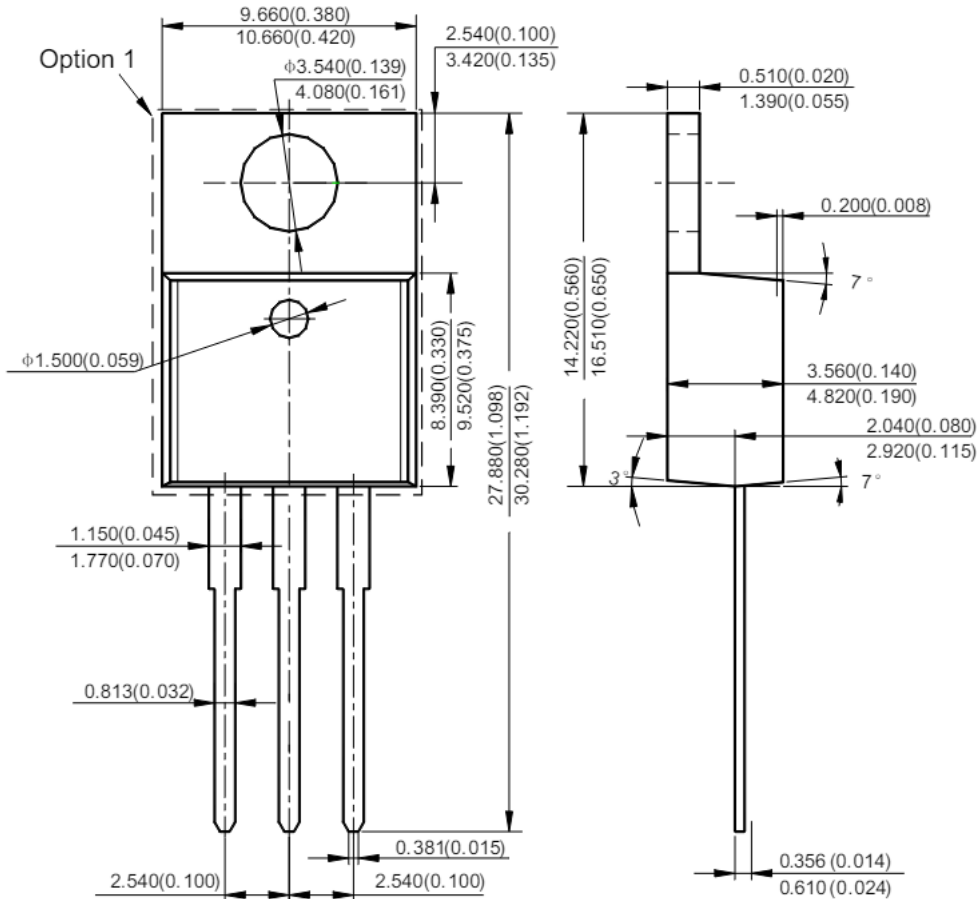


First and Second Lines: Logo and Marking ID
(See *Ordering Information*)
Third line: Date Code
Y: Year
WW: Work Week of Molding
A: Assembly House Code
XX: 7th and 8th Digits of Batch No.

Package Outline Dimensions (All dimensions in mm(inch).)

Please see <http://www.diodes.com/package-outlines.html> for the latest version.

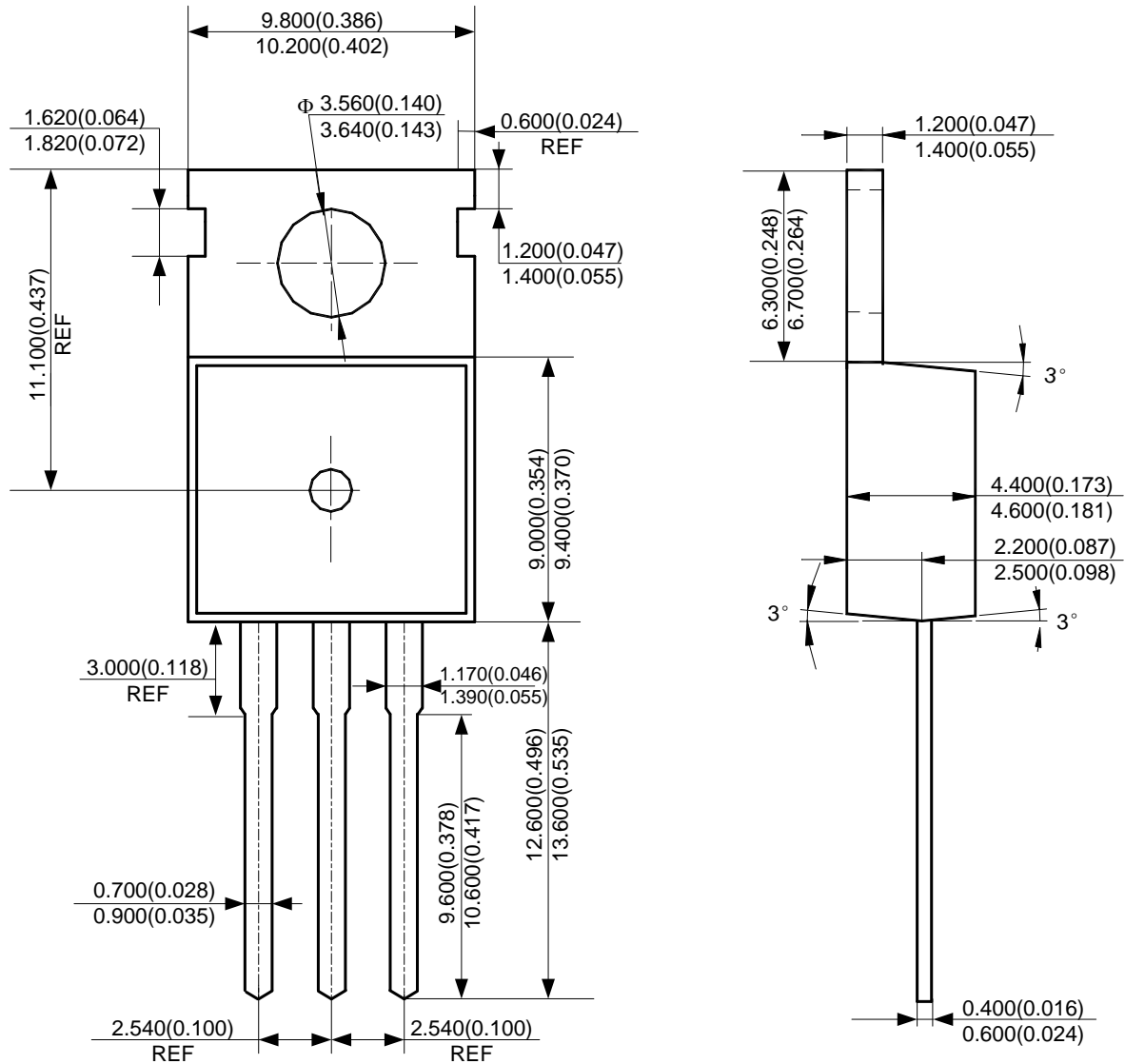
(1) Package Type: TO-220-3



Package Outline Dimensions (continued) (All dimensions in mm(.inch).)

Please see <http://www.diodes.com/package-outlines.html> for the latest version.

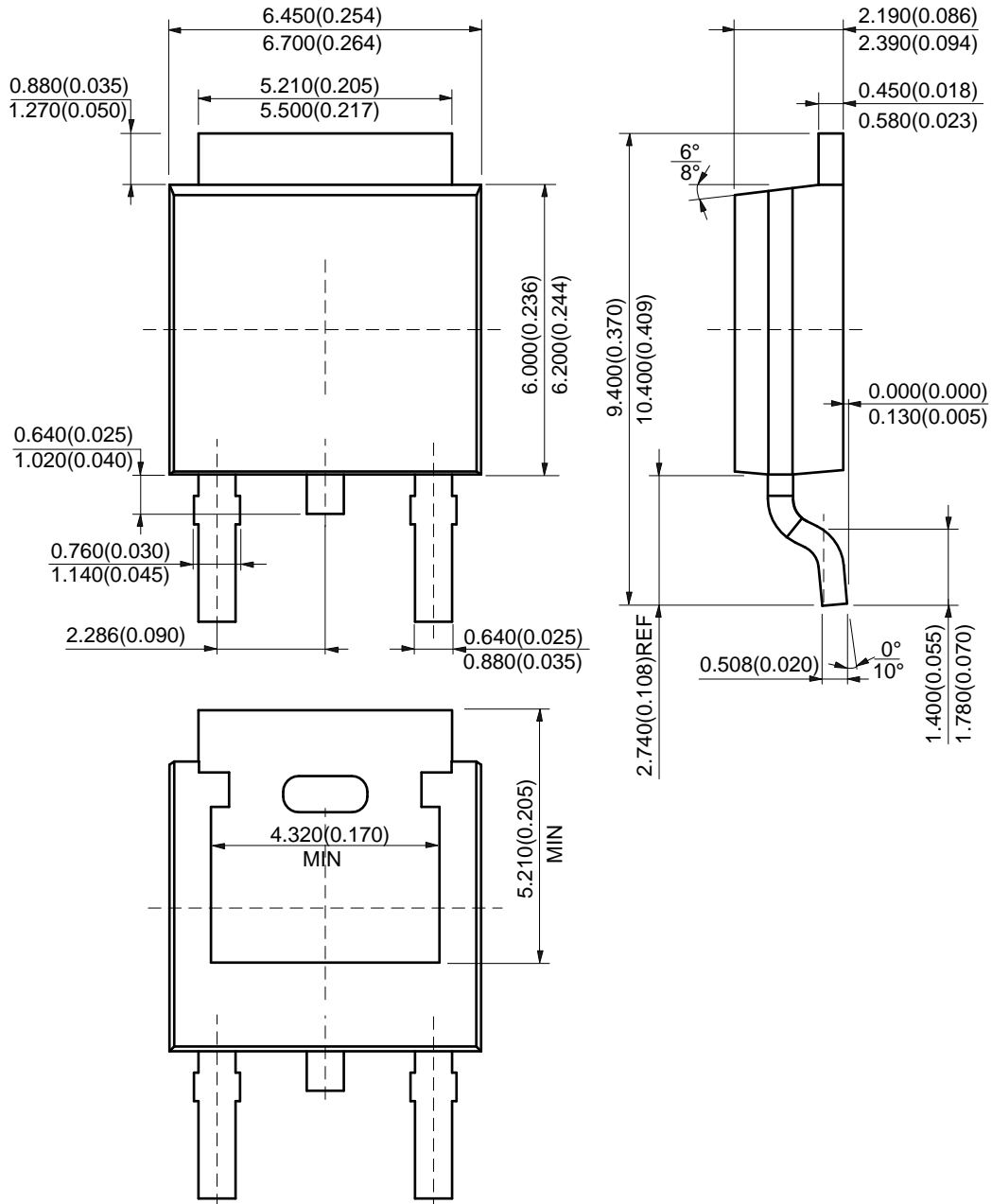
(2) Package Type: TO-220-3 (2)



Package Outline Dimensions (continued) (All dimensions in mm(inch).)

Please see <http://www.diodes.com/package-outlines.html> for the latest version.

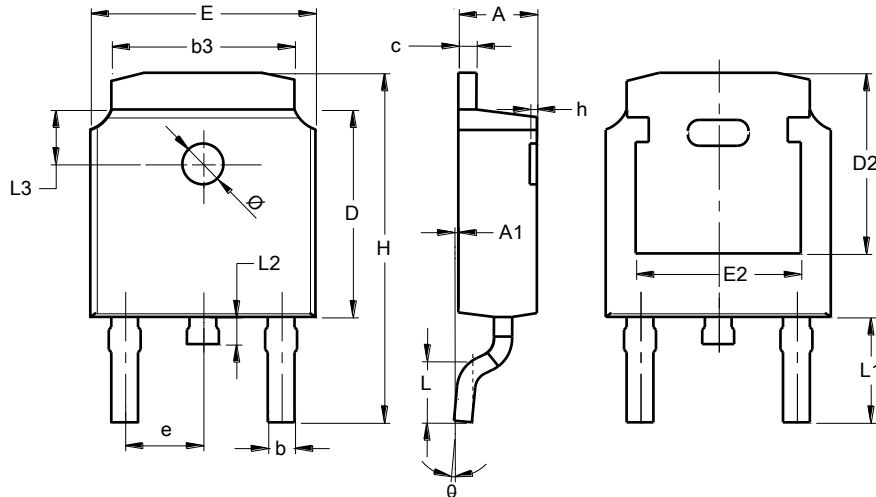
(3) Package Type: TO-252-2 (5)



Package Outline Dimensions (continued) (All dimensions in mm(inch).)

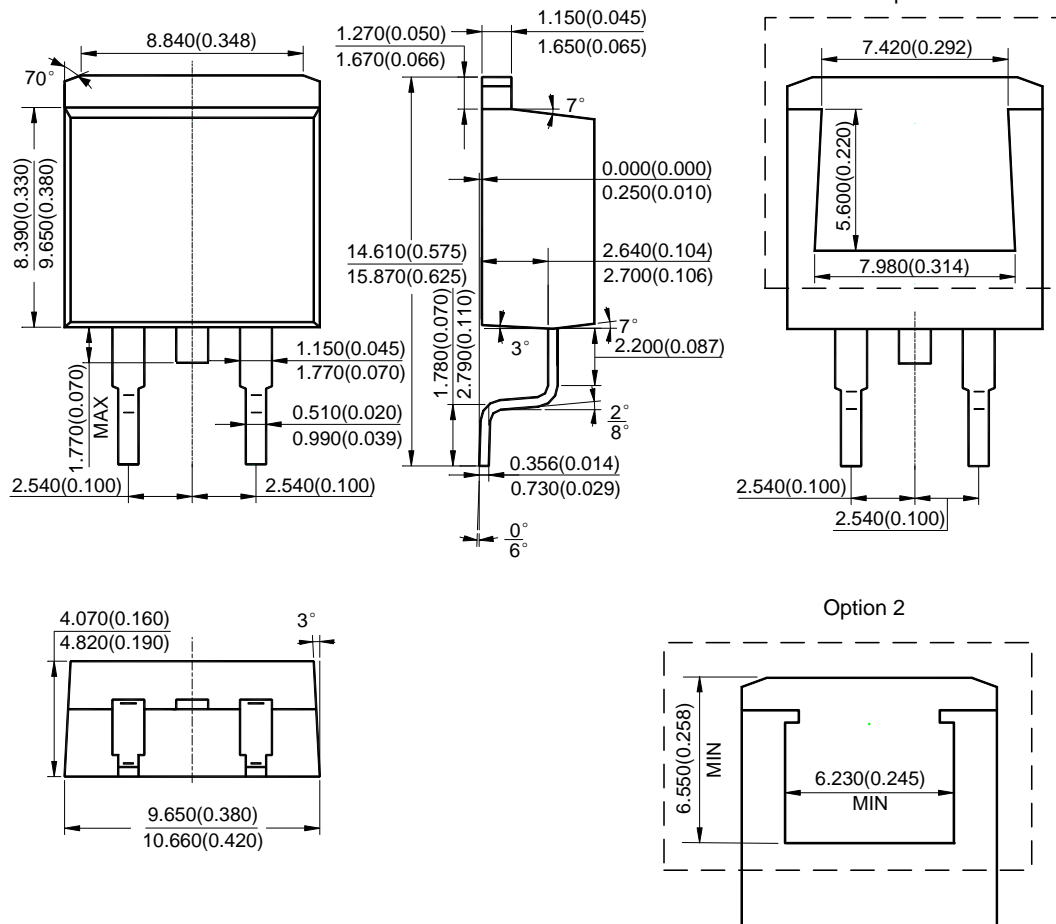
Please see <http://www.diodes.com/package-outlines.html> for the latest version.

(4) Package Type: TO252 (Type CJ)



TO252 (Type CJ)			
Dim	Min	Max	Typ
A	2.200	2.400	--
A1	0.000	0.127	--
b	0.635	0.770	--
b3	5.100	5.460	--
c	0.460	0.580	--
D	6.000	6.200	--
D2	5.250 REF		
E	6.500	6.700	--
E2	4.830 REF		
e	2.186	2.386	--
h	0.000	0.300	--
H	9.712	10.312	--
L	1.400	1.700	--
L1	2.900 REF		
L2	0.600	1.000	--
L3	1.600 REF		
∅	1.100	1.300	--
θ	0°	8°	--
All Dimensions in mm			

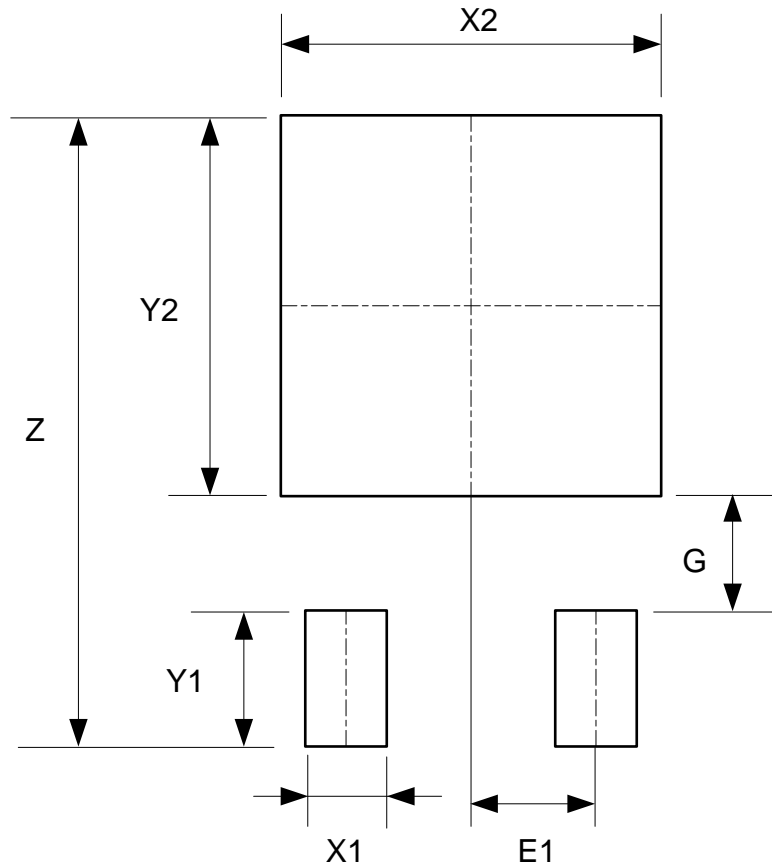
(5) Package Type: TO-263-2



Suggested Pad Layout

Please see <http://www.diodes.com/package-outlines.html> for the latest version.

(1) Package Type: TO252 (Type CJ)

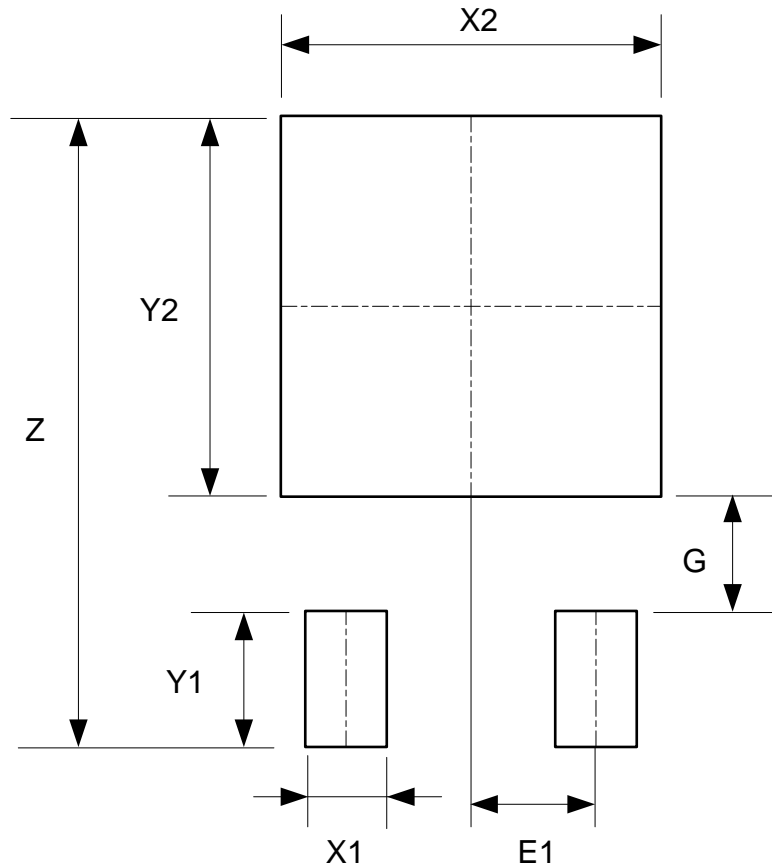


Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2 = Y2 (mm)/(inch)	Y1 (mm)/(inch)	G (mm)/(inch)	E1 (mm)/(inch)
Value	11.600/0.457	1.500/0.059	7.000/0.276	2.500/0.098	2.100/0.083	2.300/0.091

Suggested Pad Layout (continued)

Please see <http://www.diodes.com/package-outlines.html> for the latest version.

(2) Package Type: TO-252-2 (5)

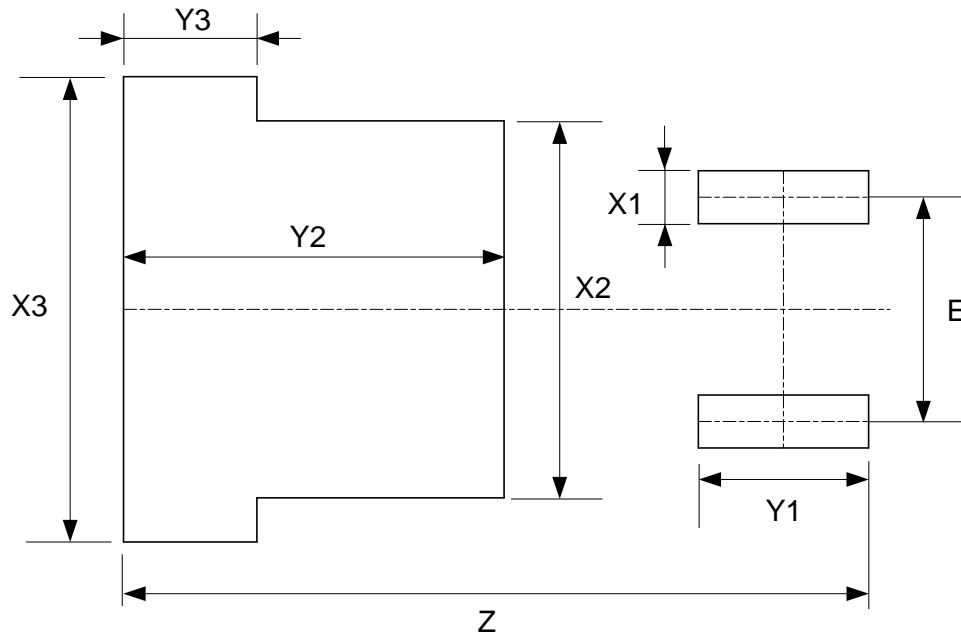


Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2 = Y2 (mm)/(inch)	Y1 (mm)/(inch)	G (mm)/(inch)	E1 (mm)/(inch)
Value	11.600/0.457	1.500/0.059	7.000/0.276	2.500/0.098	2.100/0.083	2.300/0.091

Suggested Pad Layout (continued)


Please see <http://www.diodes.com/package-outlines.html> for the latest version.

(3) Package Type: TO-263-2



Dimensions	Z (mm)/(inch)	X1 (mm)/(inch)	X2 (mm)/(inch)	X3 (mm)/(inch)
Value	16.760/0.660	1.200/0.047	8.540/0.336	10.540/0.415
Dimensions	Y1 (mm)/(inch)	Y2 (mm)/(inch)	Y3 (mm)/(inch)	E (mm)/(inch)
Value	3.830/0.151	8.560/0.337	3.000/0.118	5.080/0.200

Mechanical Data

- Moisture Sensitivity: Level 3 per J-STD-020
- Terminals: Finish—Matte Tin Plated Leads, Solderable per MIL-STD-202, Method 208 
- Weight:
 - TO-252-2 (5)/TO252 (Type CJ): 0.312 grams (Approximate)
 - TO-220-3/TO-220-3 (2): 1.925 grams (Approximate)
 - TO-263-2: 1.412 grams (Approximate)



AS78XXA

IMPORTANT NOTICE

1. DIODES INCORPORATED (Diodes) AND ITS SUBSIDIARIES MAKE NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH REGARDS TO ANY INFORMATION CONTAINED IN THIS DOCUMENT, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION).
2. The Information contained herein is for informational purpose only and is provided only to illustrate the operation of Diodes' products described herein and application examples. Diodes does not assume any liability arising out of the application or use of this document or any product described herein. This document is intended for skilled and technically trained engineering customers and users who design with Diodes' products. Diodes' products may be used to facilitate safety-related applications; however, in all instances customers and users are responsible for (a) selecting the appropriate Diodes products for their applications, (b) evaluating the suitability of Diodes' products for their intended applications, (c) ensuring their applications, which incorporate Diodes' products, comply the applicable legal and regulatory requirements as well as safety and functional-safety related standards, and (d) ensuring they design with appropriate safeguards (including testing, validation, quality control techniques, redundancy, malfunction prevention, and appropriate treatment for aging degradation) to minimize the risks associated with their applications.
3. Diodes assumes no liability for any application-related information, support, assistance or feedback that may be provided by Diodes from time to time. Any customer or user of this document or products described herein will assume all risks and liabilities associated with such use, and will hold Diodes and all companies whose products are represented herein or on Diodes' websites, harmless against all damages and liabilities.
4. Products described herein may be covered by one or more United States, international or foreign patents and pending patent applications. Product names and markings noted herein may also be covered by one or more United States, international or foreign trademarks and trademark applications. Diodes does not convey any license under any of its intellectual property rights or the rights of any third parties (including third parties whose products and services may be described in this document or on Diodes' website) under this document.
5. Diodes' products are provided subject to Diodes' Standard Terms and Conditions of Sale (<https://www.diodes.com/about/company/terms-and-conditions/terms-and-conditions-of-sales/>) or other applicable terms. This document does not alter or expand the applicable warranties provided by Diodes. Diodes does not warrant or accept any liability whatsoever in respect of any products purchased through unauthorized sales channel.
6. Diodes' products and technology may not be used for or incorporated into any products or systems whose manufacture, use or sale is prohibited under any applicable laws and regulations. Should customers or users use Diodes' products in contravention of any applicable laws or regulations, or for any unintended or unauthorized application, customers and users will (a) be solely responsible for any damages, losses or penalties arising in connection therewith or as a result thereof, and (b) indemnify and hold Diodes and its representatives and agents harmless against any and all claims, damages, expenses, and attorney fees arising out of, directly or indirectly, any claim relating to any noncompliance with the applicable laws and regulations, as well as any unintended or unauthorized application.
7. While efforts have been made to ensure the information contained in this document is accurate, complete and current, it may contain technical inaccuracies, omissions and typographical errors. Diodes does not warrant that information contained in this document is error-free and Diodes is under no obligation to update or otherwise correct this information. Notwithstanding the foregoing, Diodes reserves the right to make modifications, enhancements, improvements, corrections or other changes without further notice to this document and any product described herein. This document is written in English but may be translated into multiple languages for reference. Only the English version of this document is the final and determinative format released by Diodes.
8. Any unauthorized copying, modification, distribution, transmission, display or other use of this document (or any portion hereof) is prohibited. Diodes assumes no responsibility for any losses incurred by the customers or users or any third parties arising from any such unauthorized use.
9. This Notice may be periodically updated with the most recent version available at <https://www.diodes.com/about/company/terms-and-conditions/important-notice>

The Diodes logo is a registered trademark of Diodes Incorporated in the United States and other countries.
 All other trademarks are the property of their respective owners.
 © 2024 Diodes Incorporated. All Rights Reserved.

www.diodes.com

OUR CERTIFICATE

DiGi provide top-quality products and perfect service for customer worldwide through standardization, technological innovation and continuous improvement. DiGi through third-party certification, we stricly control the quality of products and services. Welcome your RFQ to

Email: Info@DiGi-Electronics.com



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.