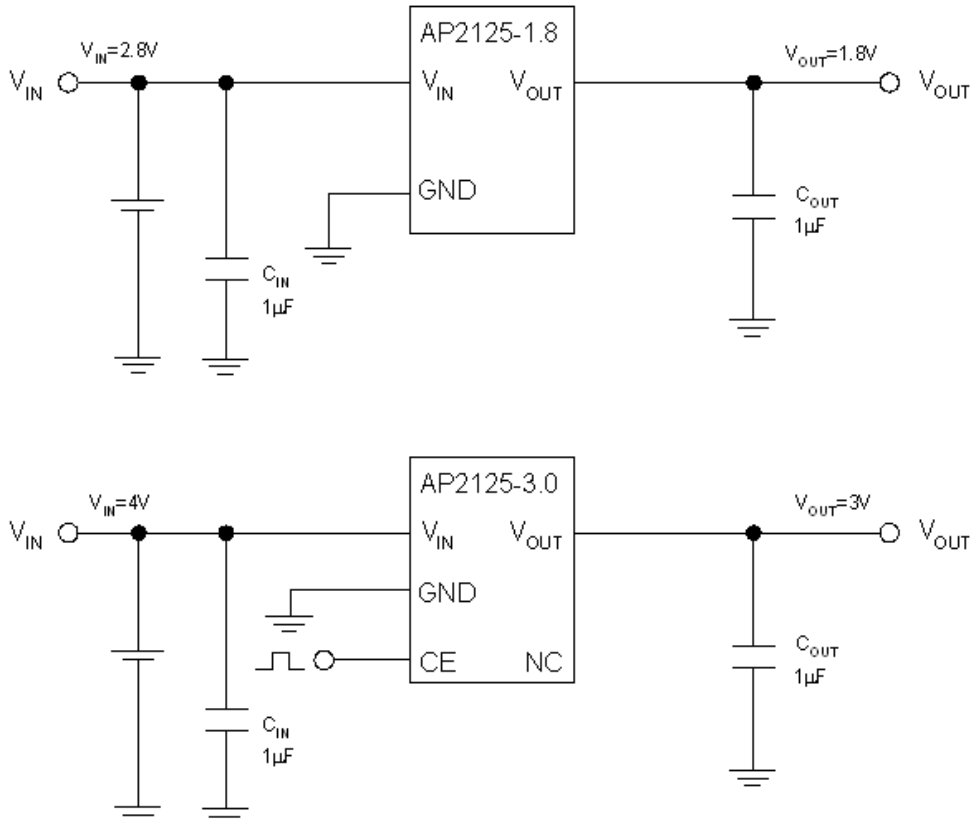


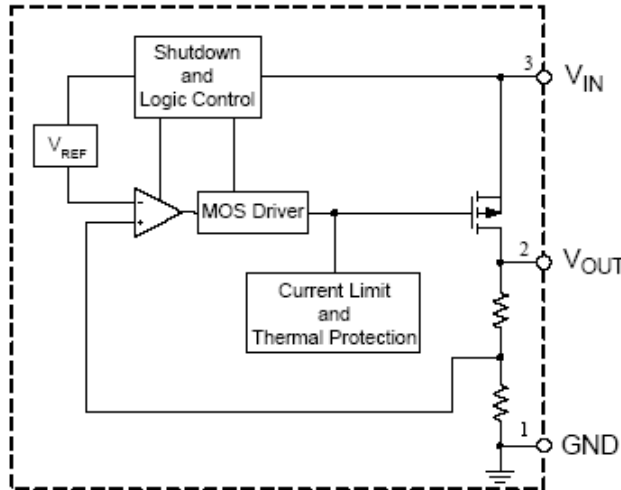
Typical Applications Circuit



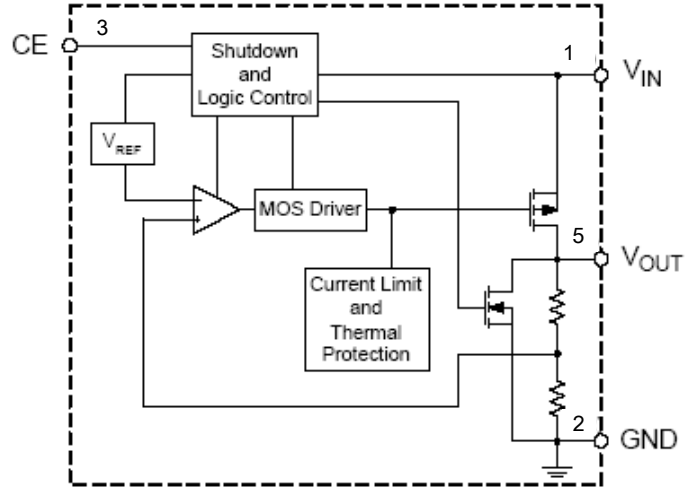
Pin Descriptions

Pin Number		Pin Name	Function
SOT-23-3	SOT-23-5/SC-70-5		
3	1	V _{IN}	Input voltage
1	2	GND	Ground
-	3	CE	Active high enable input pin. Logic high=enable, logic low = shutdown
-	4	NC	No connection
2	5	V _{OUT}	Regulated output voltage

Functional Block Diagram



SOT-23-3



SOT-23-5/SC-70-5

Absolute Maximum Ratings (Note 4)

Symbol	Parameter	Value	Unit
V_{IN}	Input Voltage	6.5	V
V_{CE}	Enable Input Voltage	-0.3 to $V_{IN} + 0.3$	V
I_{OUT}	Output Current	450	mA
T_J	Junction Temperature	+150	°C
T_{STG}	Storage Temperature Range	-65 to +150	°C
T_{LEAD}	Lead Temperature (Soldering, 10sec)	+260	°C
θ_{JA}	Thermal Resistance	SOT-23-3	200
		SOT-23-5	200
		SC-70-5	300
ESD	ESD (Human Body Model)	6000	V
ESD	ESD (Machine Model)	400	V

Note 4: Stresses greater than those listed under "Absolute Maximum Ratings" may 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 may affect device reliability.

Recommended Operating Conditions

Symbol	Parameter	Min	Max	Unit
V_{IN}	Input Voltage	$V_{OUT} + 0.5V$	6	V
T_A	Operating Ambient Temperature Range	-40	+85	°C

Electrical Characteristics

AP2125-1.8 Electrical Characteristics (@ $V_{IN} = 2.8V$, $T_A = +25^\circ C$, $C_{IN} = 1\mu F$, $C_{OUT} = 1\mu F$, **Bold** typeface applies over $-40^\circ C \leq T_J \leq +85^\circ C$, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit	
V_{OUT}	Output Voltage	$V_{IN} = 2.8V$ $1mA \leq I_{OUT} \leq 30mA$	1.764	1.8	1.836	V	
V_{IN}	Input Voltage	–	–	–	6	V	
$I_{OUT(MAX)}$	Maximum Output Current	$V_{IN} - V_{OUT} = 1V$, $V_{OUT} = 1.76V$	300	360	–	mA	
V_{RLOAD}	Load Regulation	$V_{IN} = 2.8V$ $1mA \leq I_{OUT} \leq 300mA$	–	6	15	mV	
V_{RLINE}	Line Regulation	$2.8V \leq V_{IN} \leq 6V$ $I_{OUT} = 30mA$	–	1	15	mV	
V_{DROP}	Dropout Voltage	$I_{OUT} = 10mA$	–	10	12	mV	
		$I_{OUT} = 100mA$	–	100	120		
		$I_{OUT} = 300mA$	–	300	360		
I_Q	Quiescent Current	$V_{IN} = 2.8V$, $I_{OUT} = 0mA$	–	60	90	μA	
I_{STD}	Standby Current	$V_{IN} = 2.8V$ V_{CE} in OFF mode	–	0.01	1.0	μA	
PSRR	Power Supply Rejection Ratio	Ripple 0.5Vp-p, $V_{IN} = 2.8V$	$f = 100Hz$	–	70	–	dB
			$f = 1KHz$	–	70	–	dB
$(\Delta V_{OUT}/V_{OUT})/\Delta T$	Output Voltage Temperature Coefficient	$I_{OUT} = 30mA$	–	± 100	–	ppm/ $^\circ C$	
I_{SHORT}	Short Current Limit	$V_{OUT} = 0V$	–	50	–	mA	
V_{NOISE}	RMS Output Noise	$10Hz \leq f \leq 100kHz$	–	50	–	μV_{rms}	
–	CE "High" Voltage	CE input voltage "High"	1.5	–	–	V	
–	CE "Low" Voltage	CE input voltage "Low"	–	–	0.4	V	
–	Thermal Shutdown	–	–	+160	–	$^\circ C$	
–	Thermal Shutdown Hysteresis	–	–	+25	–	$^\circ C$	

Electrical Characteristics (Cont.)

AP2125-2.5 Electrical Characteristics (@ $V_{IN} = 3.5V$, $T_A = +25^\circ C$, $C_{IN} = 1\mu F$, $C_{OUT} = 1\mu F$, **Bold** typeface applies over $-40^\circ C \leq T_J \leq +85^\circ C$, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit	
V_{OUT}	Output Voltage	$V_{IN} = 3.5V$ $1mA \leq I_{OUT} \leq 30mA$	2.45	2.5	2.55	V	
V_{IN}	Input Voltage	–	–	–	6	V	
$I_{OUT(MAX)}$	Maximum Output Current	$V_{IN} - V_{OUT} = 1V$, $V_{OUT} = 2.45V$	300	360	–	mA	
V_{RLOAD}	Load Regulation	$V_{IN} = 3.5V$ $1mA \leq I_{OUT} \leq 300mA$	–	10	15	mV	
V_{RLINE}	Line Regulation	$3.5V \leq V_{IN} \leq 6V$ $I_{OUT} = 30mA$	–	1	15	mV	
V_{DROP}	Dropout Voltage	$I_{OUT} = 10mA$	–	6.5	10	mV	
		$I_{OUT} = 100mA$	–	65	100		
		$I_{OUT} = 300mA$	–	200	300		
I_Q	Quiescent Current	$V_{IN} = 3.5V$, $I_{OUT} = 0mA$	–	60	90	μA	
I_{STD}	Standby Current	$V_{IN} = 3.5V$ V_{CE} in OFF mode	–	0.01	1.0	μA	
PSRR	Power Supply Rejection Ratio	Ripple 0.5Vp-p, $V_{IN} = 3.5V$	$f = 100Hz$	–	65	–	dB
			$f = 1KHz$	–	65	–	dB
$(\Delta V_{OUT}/V_{OUT})/\Delta T$	Output Voltage Temperature Coefficient	$I_{OUT} = 30mA$	–	± 100	–	ppm/ $^\circ C$	
I_{SHORT}	Short Current Limit	$V_{OUT} = 0V$	–	50	–	mA	
V_{NOISE}	RMS Output Noise	$10Hz \leq f \leq 100kHz$	–	50	–	μV_{rms}	
–	CE "High" Voltage	CE input voltage "High"	1.5	–	–	V	
–	CE "Low" Voltage	CE input voltage "Low"	–	–	0.4	V	
–	Thermal Shutdown	–	–	+160	–	$^\circ C$	
–	Thermal Shutdown Hysteresis	–	–	+25	–	$^\circ C$	

Electrical Characteristics (Cont.)

AP2125-2.8 Electrical Characteristics (@ $V_{IN} = 3.8V$, $T_A = +25^\circ C$, $C_{IN} = 1\mu F$, $C_{OUT} = 1\mu F$, **Bold** typeface applies over $-40^\circ C \leq T_J \leq +85^\circ C$, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit	
V_{OUT}	Output Voltage	$V_{IN} = 3.8V$ $1mA \leq I_{OUT} \leq 30mA$	2.744	2.8	2.856	V	
V_{IN}	Input Voltage	–	–	–	6	V	
$I_{OUT(MAX)}$	Maximum Output Current	$V_{IN} - V_{OUT} = 1V$, $V_{OUT} = 2.74V$	300	360	–	mA	
V_{RLOAD}	Load Regulation	$V_{IN} = 3.8V$ $1mA \leq I_{OUT} \leq 300mA$	–	11	15	mV	
V_{RLINE}	Line Regulation	$3.8V \leq V_{IN} \leq 6V$ $I_{OUT} = 30mA$	–	1	15	mV	
V_{DROP}	Dropout Voltage	$I_{OUT} = 10mA$	–	6.5	10	mV	
		$I_{OUT} = 100mA$	–	65	100		
		$I_{OUT} = 300mA$	–	200	300		
I_Q	Quiescent Current	$V_{IN} = 3.8V$, $I_{OUT} = 0mA$	–	60	90	μA	
I_{STD}	Standby Current	$V_{IN} = 3.8V$ V_{CE} in OFF mode	–	0.01	1.0	μA	
PSRR	Power Supply Rejection Ratio	Ripple 0.5Vp-p, $V_{IN} = 3.8V$	$f = 100Hz$	–	65	–	dB
			$f = 1KHz$	–	65	–	dB
$(\Delta V_{OUT}/V_{OUT})/\Delta T$	Output Voltage Temperature Coefficient	$I_{OUT} = 30mA$	–	± 100	–	ppm/ $^\circ C$	
I_{SHORT}	Short Current Limit	$V_{OUT} = 0V$	–	50	–	mA	
V_{NOISE}	RMS Output Noise	$10Hz \leq f \leq 100kHz$	–	50	–	μV_{rms}	
–	CE "High" Voltage	CE input voltage "High"	1.5	–	–	V	
–	CE "Low" Voltage	CE input voltage "Low"	–	–	0.4	V	
–	Thermal Shutdown	–	–	+160	–	$^\circ C$	
–	Thermal Shutdown Hysteresis	–	–	+25	–	$^\circ C$	

Electrical Characteristics (Cont.)

AP2125-3.0 Electrical Characteristics (@ $V_{IN} = 4.0V$, $T_A = +25^\circ C$, $C_{IN} = 1\mu F$, $C_{OUT} = 1\mu F$, **Bold** typeface applies over $-40^\circ C \leq T_J \leq +85^\circ C$, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit	
V_{OUT}	Output Voltage	$V_{IN} = 4.0V$ $1mA \leq I_{OUT} \leq 30mA$	2.94	3.0	3.06	V	
V_{IN}	Input Voltage	–	–	–	6	V	
$I_{OUT(MAX)}$	Maximum Output Current	$V_{IN} - V_{OUT} = 1V$, $V_{OUT} = 2.94V$	300	360	–	mA	
V_{RLOAD}	Load Regulation	$V_{IN} = 4.0V$ $1mA \leq I_{OUT} \leq 300mA$	–	12	15	mV	
V_{RLINE}	Line Regulation	$4.0V \leq V_{IN} \leq 6V$ $I_{OUT} = 30mA$	–	1	15	mV	
V_{DROP}	Dropout Voltage	$I_{OUT} = 10mA$	–	6.5	10	mV	
		$I_{OUT} = 100mA$	–	65	100		
		$I_{OUT} = 300mA$	–	200	300		
I_Q	Quiescent Current	$V_{IN} = 4.0V$, $I_{OUT} = 0mA$	–	60	90	μA	
I_{STD}	Standby Current	$V_{IN} = 4.0V$ V_{CE} in OFF mode	–	0.01	1.0	μA	
PSRR	Power Supply Rejection Ratio	Ripple 0.5Vp-p, $V_{IN} = 4.0V$	$f = 100Hz$	–	65	–	dB
			$f = 1KHz$	–	65	–	dB
$(\Delta V_{OUT}/V_{OUT})/\Delta T$	Output Voltage Temperature Coefficient	$I_{OUT} = 30mA$	–	± 100	–	ppm/ $^\circ C$	
I_{SHORT}	Short Current Limit	$V_{OUT} = 0V$	–	50	–	mA	
V_{NOISE}	RMS Output Noise	$10Hz \leq f \leq 100kHz$	–	50	–	μV_{rms}	
–	CE "High" Voltage	CE input voltage "High"	1.5	–	–	V	
–	CE "Low" Voltage	CE input voltage "Low"	–	–	0.4	V	
–	Thermal Shutdown	–	–	+160	–	$^\circ C$	
–	Thermal Shutdown Hysteresis	–	–	+25	–	$^\circ C$	

Electrical Characteristics (Cont.)

AP2125-3.3 Electrical Characteristics (@ $V_{IN} = 4.3V$, $T_A = +25^{\circ}C$, $C_{IN} = 1\mu F$, $C_{OUT} = 1\mu F$, **Bold** typeface applies over $-40^{\circ}C \leq T_J \leq +85^{\circ}C$, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit	
V_{OUT}	Output Voltage	$V_{IN} = 4.3V$ $1mA \leq I_{OUT} \leq 30mA$	3.234	3.3	3.366	V	
V_{IN}	Input Voltage	–	–	–	6	V	
$I_{OUT(MAX)}$	Maximum Output Current	$V_{IN} - V_{OUT} = 1V$, $V_{OUT} = 3.23V$	300	360	–	mA	
V_{RLOAD}	Load Regulation	$V_{IN} = 4.3V$ $1mA \leq I_{OUT} \leq 300mA$	–	13	15	mV	
V_{RLINE}	Line Regulation	$4.3V \leq V_{IN} \leq 6V$ $I_{OUT} = 30mA$	–	1	15	mV	
V_{DROP}	Dropout Voltage	$I_{OUT} = 10mA$	–	6.5	10	mV	
		$I_{OUT} = 100mA$	–	65	100		
		$I_{OUT} = 300mA$	–	200	300		
I_Q	Quiescent Current	$V_{IN} = 4.3V$, $I_{OUT} = 0mA$	–	60	90	μA	
I_{STD}	Standby Current	$V_{IN} = 4.3V$ V_{CE} in OFF mode	–	0.01	1.0	μA	
PSRR	Power Supply Rejection Ratio	Ripple 0.5Vp-p, $V_{IN} = 4.3V$	$f = 100Hz$	–	65	–	dB
			$f = 1KHz$	–	65	–	dB
$(\Delta V_{OUT}/V_{OUT})/\Delta T$	Output Voltage Temperature Coefficient	$I_{OUT} = 30mA$	–	± 100	–	ppm/ $^{\circ}C$	
I_{SHORT}	Short Current Limit	$V_{OUT} = 0V$	–	50	–	mA	
V_{NOISE}	RMS Output Noise	$10Hz \leq f \leq 100kHz$	–	50	–	μV_{rms}	
–	CE "High" Voltage	CE input voltage "High"	1.5	–	–	V	
–	CE "Low" Voltage	CE input voltage "Low"	–	–	0.4	V	
–	Thermal Shutdown	–	–	+160	–	$^{\circ}C$	
–	Thermal Shutdown Hysteresis	–	–	+25	–	$^{\circ}C$	

Electrical Characteristics (Cont.)

AP2125-4.15 Electrical Characteristics (@ $V_{IN} = 5.15V$, $T_A = +25^\circ C$, $C_{IN} = 1\mu F$, $C_{OUT} = 1\mu F$, **Bold** typeface applies over $-40^\circ C \leq T_J \leq +85^\circ C$, unless otherwise specified.)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit	
V_{OUT}	Output Voltage	$V_{IN} = 5.15V$ $1mA \leq I_{OUT} \leq 30mA$	4.067	4.15	4.233	V	
V_{IN}	Input Voltage	–	–	–	6	V	
$I_{OUT(MAX)}$	Maximum Output Current	$V_{IN} - V_{OUT} = 1V$, $V_{OUT} = 4.06V$	300	360	–	mA	
V_{RLOAD}	Load Regulation	$V_{IN} = 5.15V$ $1mA \leq I_{OUT} \leq 300mA$	–	13	15	mV	
V_{RLINE}	Line Regulation	$5.15V \leq V_{IN} \leq 6V$ $I_{OUT} = 30mA$	–	1	15	mV	
V_{DROP}	Dropout Voltage	$I_{OUT} = 10mA$	–	6.5	10	mV	
		$I_{OUT} = 100mA$	–	65	100		
		$I_{OUT} = 300mA$	–	200	300		
I_Q	Quiescent Current	$V_{IN} = 5.15V$, $I_{OUT} = 0mA$	–	60	90	μA	
I_{STD}	Standby Current	$V_{IN} = 5.15V$ V_{CE} in OFF mode	–	0.01	1.0	μA	
PSRR	Power Supply Rejection Ratio	Ripple 0.5Vp-p, $V_{IN} = 5.15V$	$f = 100Hz$	–	65	–	dB
			$f = 1KHz$	–	65	–	dB
$(\Delta V_{OUT}/V_{OUT})/\Delta T$	Output Voltage Temperature Coefficient	$I_{OUT} = 30mA$	–	± 100	–	ppm/ $^\circ C$	
I_{SHORT}	Short Current Limit	$V_{OUT} = 0V$	–	50	–	mA	
V_{NOISE}	RMS Output Noise	$10Hz \leq f \leq 100kHz$	–	50	–	μV_{rms}	
–	CE "High" Voltage	CE input voltage "High"	1.5	–	–	V	
–	CE "Low" Voltage	CE input voltage "Low"	–	–	0.4	V	
–	Thermal Shutdown	–	–	+160	–	$^\circ C$	
–	Thermal Shutdown Hysteresis	–	–	+25	–	$^\circ C$	

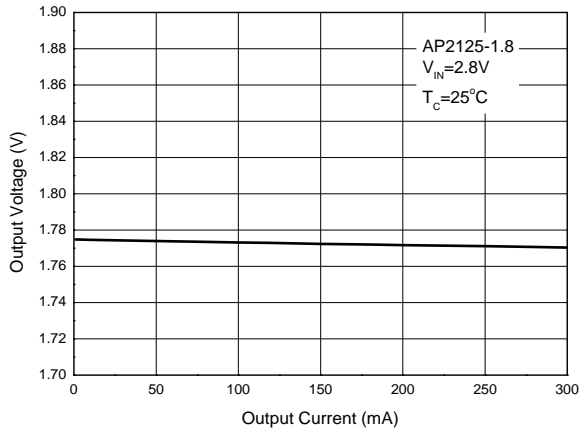
Electrical Characteristics (Cont.)

AP2125-4.2 Electrical Characteristics (@ $V_{IN} = 5.2V$, $T_A = +25^\circ C$, $C_{IN} = 1\mu F$, $C_{OUT} = 1\mu F$, **Bold** typeface applies over $-40^\circ C \leq T_J \leq +85^\circ C$, unless otherwise specified.)

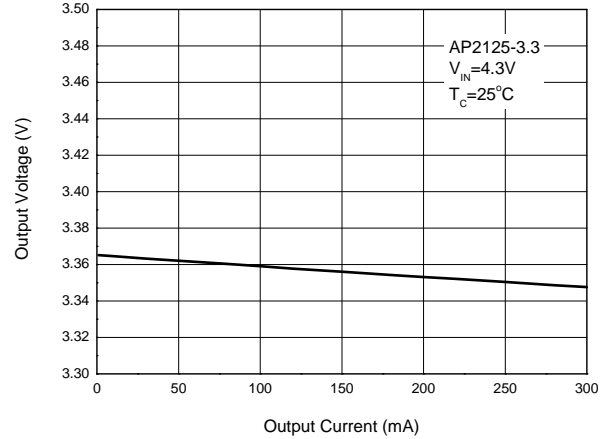
Symbol	Parameter	Conditions	Min	Typ	Max	Unit	
V_{OUT}	Output Voltage	$V_{IN} = 5.2V$ $1mA \leq I_{OUT} \leq 30mA$	4.116	4.2	4.284	V	
V_{IN}	Input Voltage	–	–	–	6	V	
$I_{OUT(MAX)}$	Maximum Output Current	$V_{IN} - V_{OUT} = 1V$, $V_{OUT} = 4.12V$	300	360	–	mA	
V_{RLOAD}	Load Regulation	$V_{IN} = 5.2V$ $1mA \leq I_{OUT} \leq 300mA$	–	13	15	mV	
V_{RLINE}	Line Regulation	$5.2V \leq V_{IN} \leq 6V$ $I_{OUT} = 30mA$	–	1	15	mV	
V_{DROP}	Dropout Voltage	$I_{OUT} = 10mA$	–	6.5	10	mV	
		$I_{OUT} = 100mA$	–	65	100		
		$I_{OUT} = 300mA$	–	200	300		
I_Q	Quiescent Current	$V_{IN} = 5.2V$, $I_{OUT} = 0mA$	–	60	90	μA	
I_{STD}	Standby Current	$V_{IN} = 5.2V$ V_{CE} in OFF mode	–	0.01	1.0	μA	
PSRR	Power Supply Rejection Ratio	Ripple 0.5Vp-p, $V_{IN} = 5.2V$	f = 100Hz	–	65	–	dB
			f = 1KHz	–	65	–	dB
$(\Delta V_{OUT}/V_{OUT})/\Delta T$	Output Voltage Temperature Coefficient	$I_{OUT} = 30mA$	–	± 100	–	ppm/ $^\circ C$	
I_{SHORT}	Short Current Limit	$V_{OUT} = 0V$	–	50	–	mA	
V_{NOISE}	RMS Output Noise	$10Hz \leq f \leq 100kHz$	–	50	–	μV_{rms}	
–	CE "High" Voltage	CE input voltage "High"	1.5	–	–	V	
–	CE "Low" Voltage	CE input voltage "Low"	–	–	0.4	V	
–	Thermal Shutdown	–	–	+160	–	$^\circ C$	
–	Thermal Shutdown Hysteresis	–	–	+25	–	$^\circ C$	

Performance Characteristics

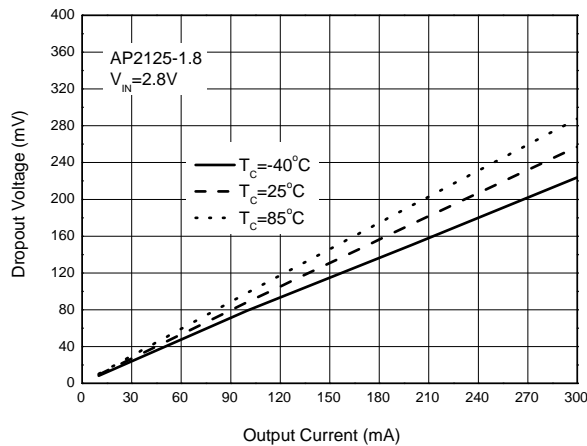
Output Voltage vs. Output Current



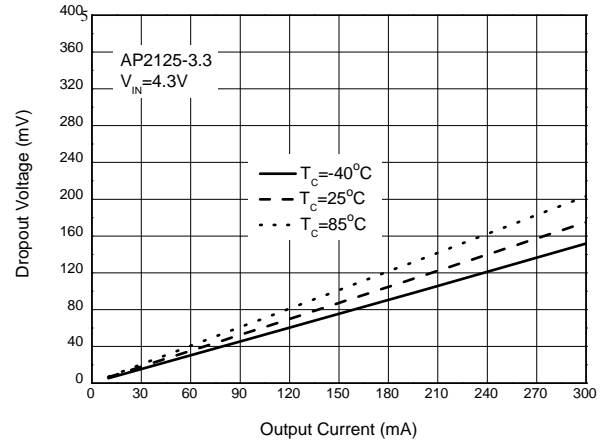
Output Voltage vs. Output Current



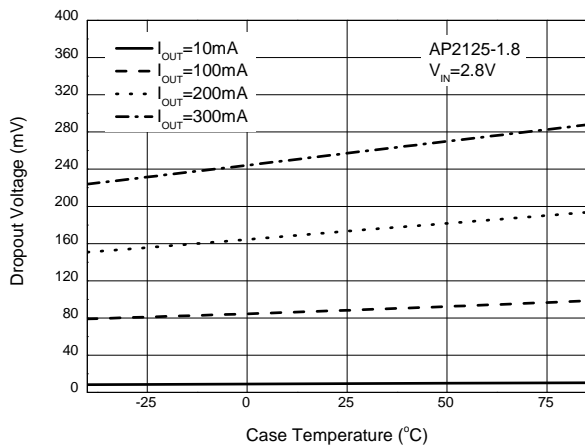
Dropout Voltage vs. Output Current



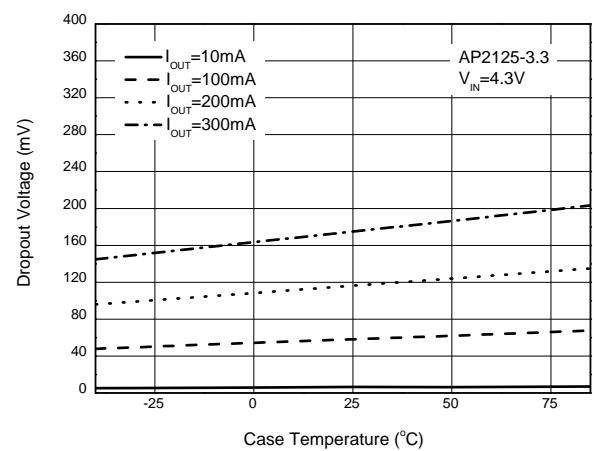
Dropout Voltage vs. Output Current



Dropout Voltage vs. Case Temperature

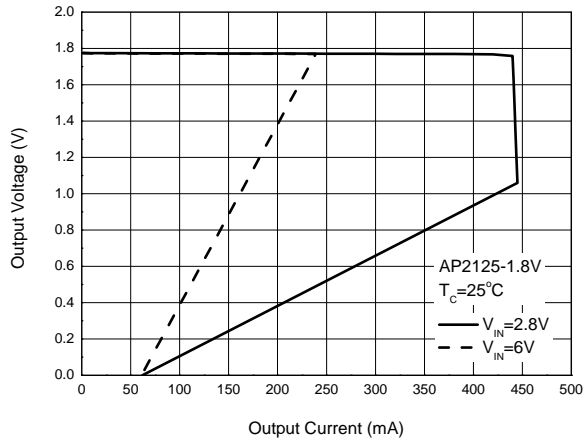


Dropout Voltage vs. Case Temperature

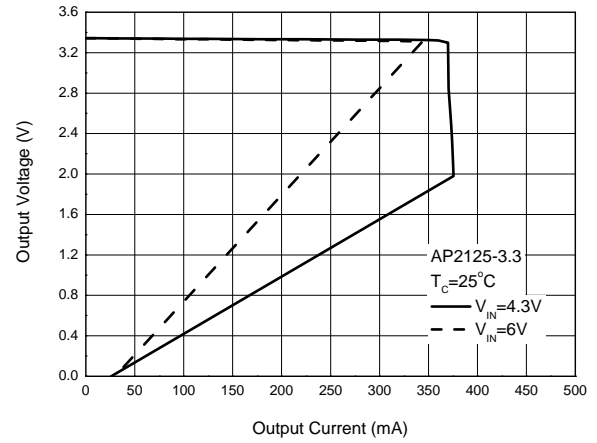


Performance Characteristics (Cont.)

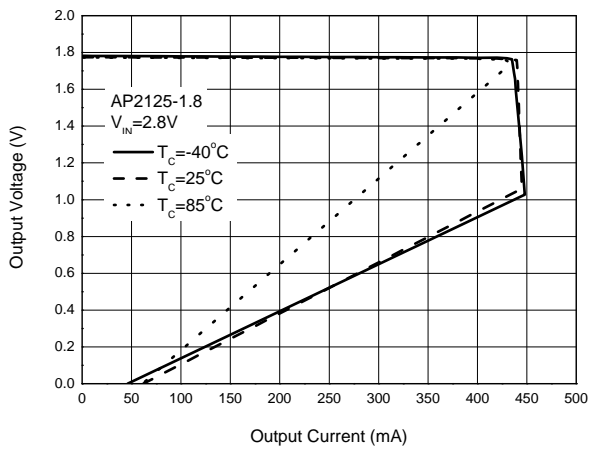
Current Limit



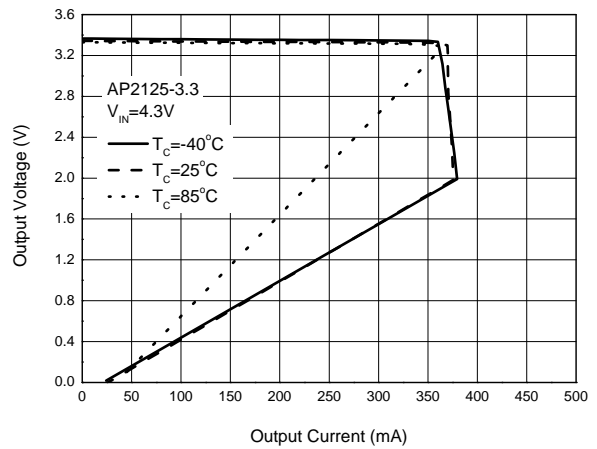
Current Limit



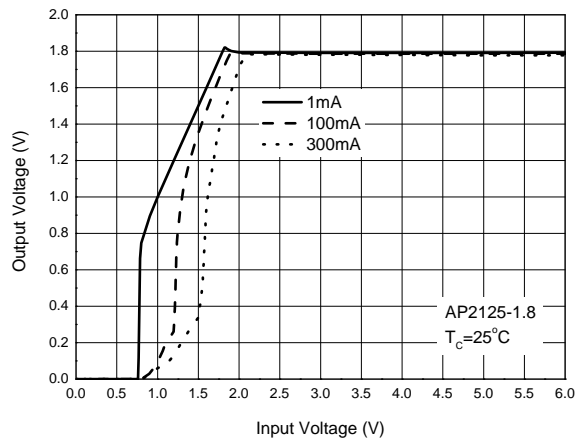
Current Limit



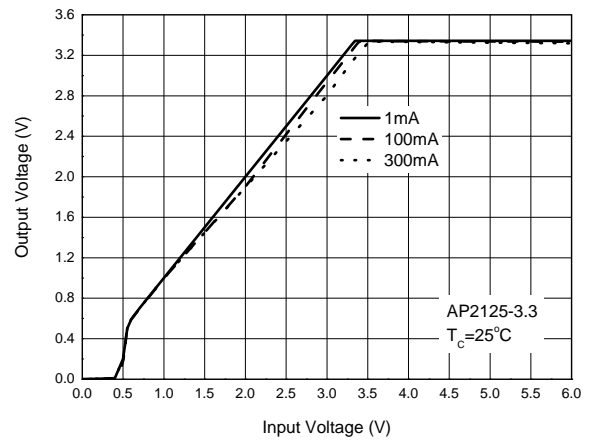
Current Limit



Output Voltage vs. Input Voltage

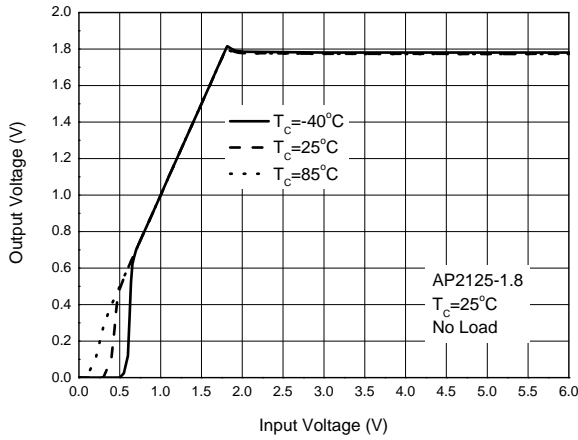


Output Voltage vs. Input Voltage

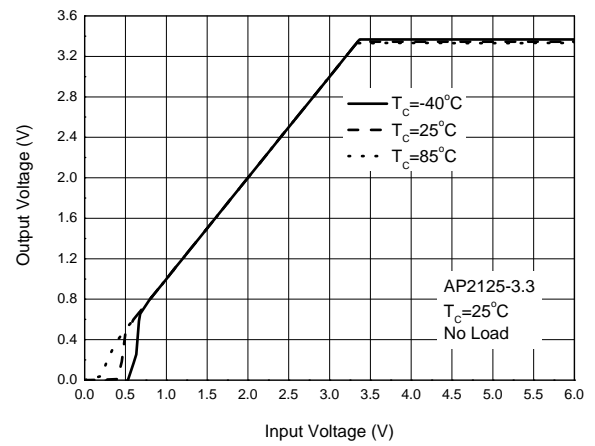


Performance Characteristics (Cont.)

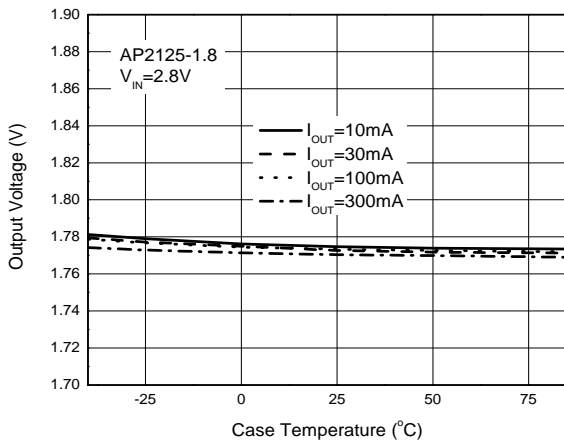
Output Voltage vs. Input Voltage



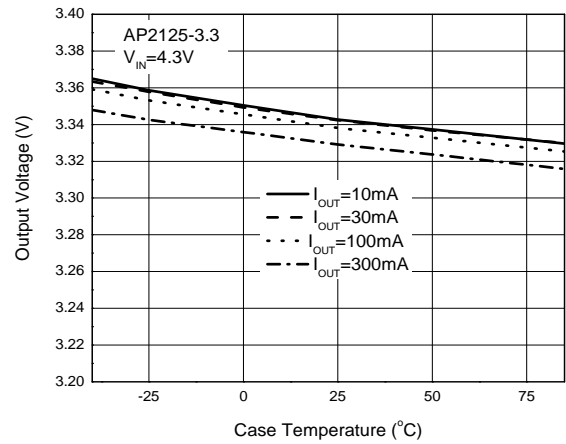
Output Voltage vs. Input Voltage



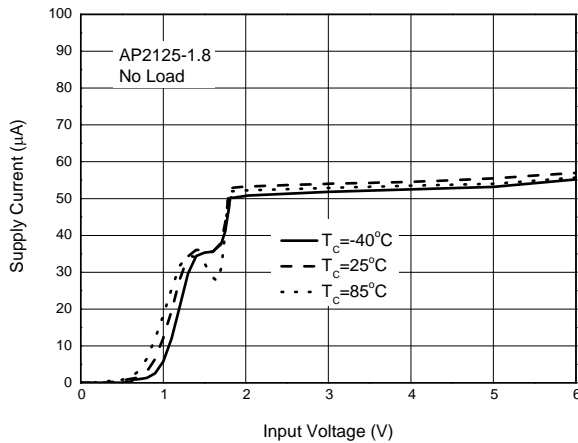
Output Voltage vs. Case Temperature



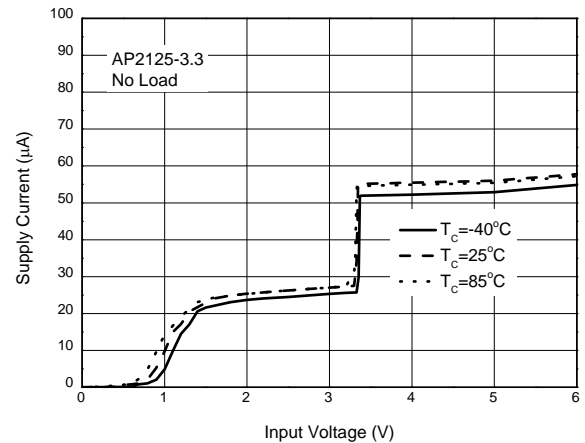
Output Voltage vs. Case Temperature



Supply Current vs. Input Voltage

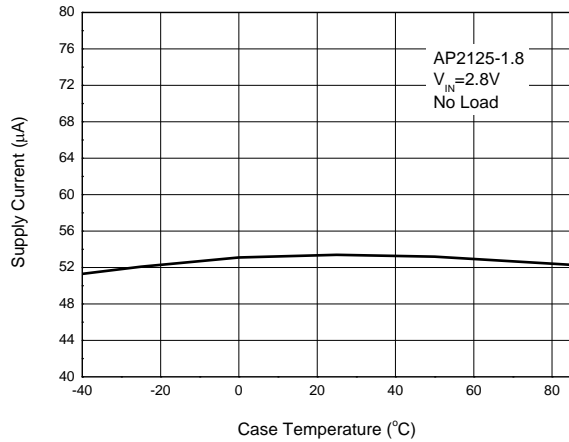


Supply Current vs. Input Voltage

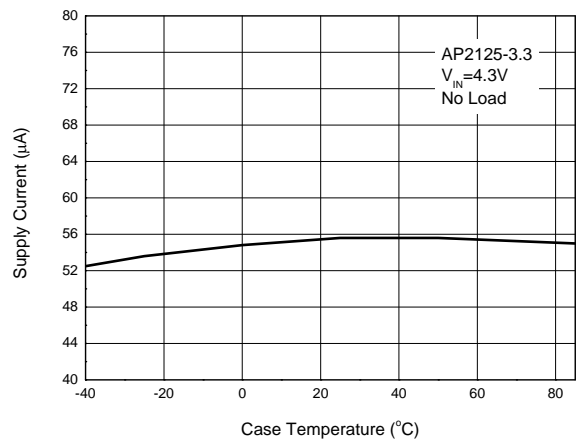


Performance Characteristics (Cont.)

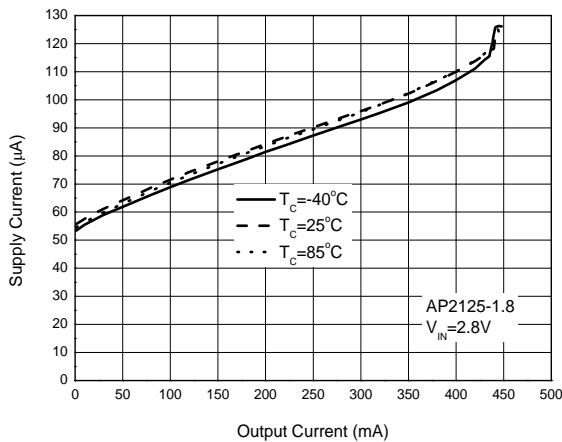
Supply Current vs. Case Temperature



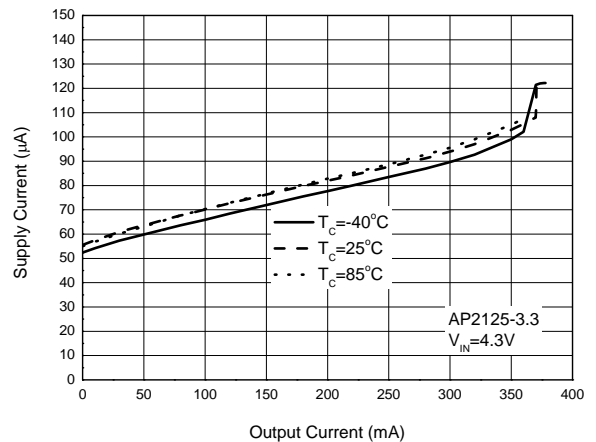
Supply Current vs. Case Temperature



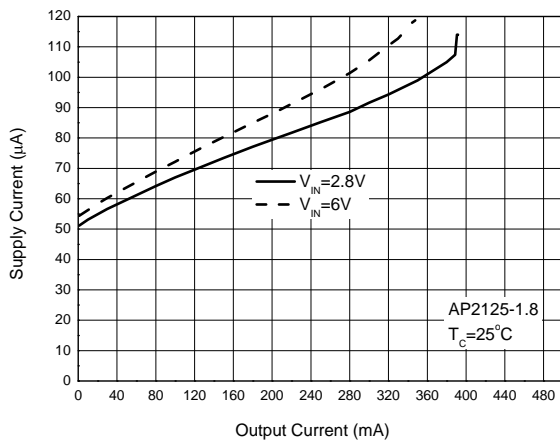
Supply Current vs. Output Current



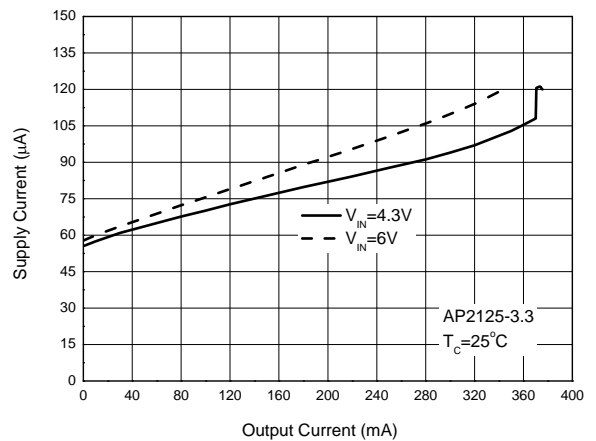
Supply Current vs. Output Current



Supply Current vs. Output Current



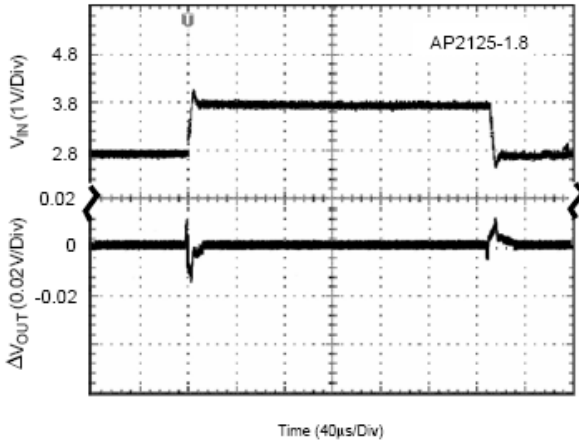
Supply Current vs. Output Current



Performance Characteristics (Cont.)

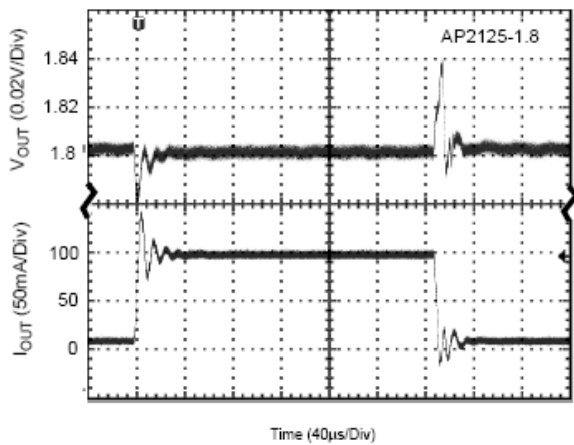
Line Transient

(Conditions: $I_{OUT} = 30\text{mA}$, $C_{OUT} = 1\mu\text{F}$, $V_{IN} = 2.8\text{V to } 3.8\text{V}$)



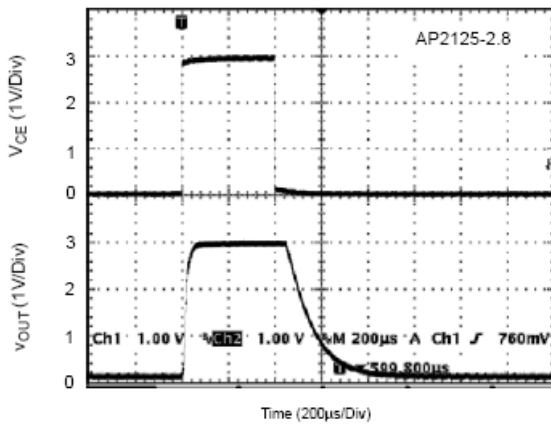
Load Transient

(Conditions: $I_{OUT} = 10 \text{ to } 100\text{mA}$, $C_{IN} = 1\mu\text{F}$, $C_{OUT} = 1\mu\text{F}$, $V_{IN} = 2.8\text{V}$)



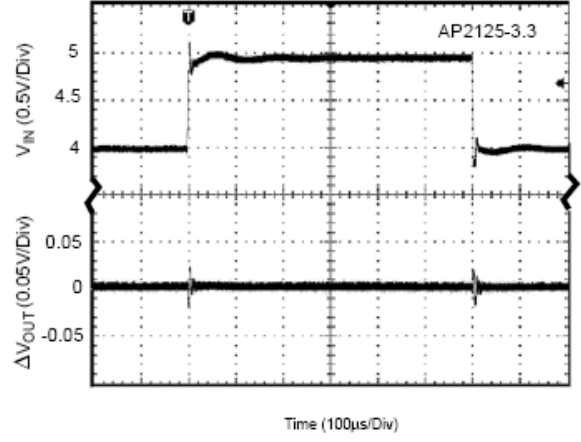
Enable Input Response and Auto-discharge

(Conditions: $V_{CE} = 0 \text{ to } 3\text{V}$, $C_{IN} = 1\mu\text{F}$, $C_{OUT} = 1\mu\text{F}$, $V_{IN} = 3\text{V}$, no Load)



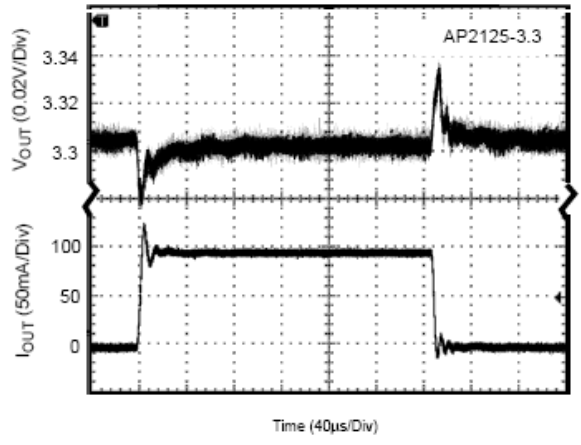
Line Transient

(Conditions: $I_{OUT} = 30\text{mA}$, $C_{OUT} = 1\mu\text{F}$, $V_{IN} = 4\text{V to } 5\text{V}$)

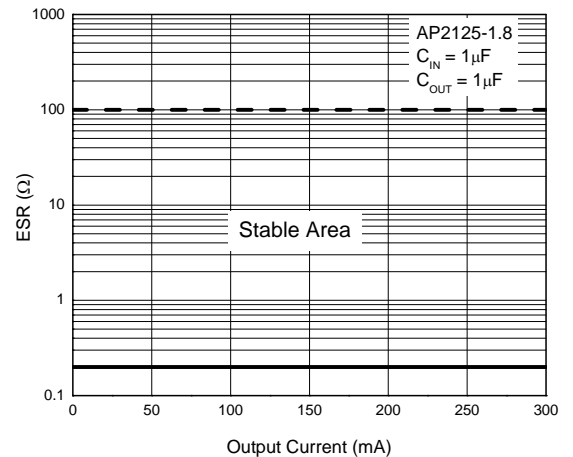


Load Transient

(Conditions: $I_{OUT} = 10 \text{ to } 100\text{mA}$, $C_{IN} = 1\mu\text{F}$, $C_{OUT} = 1\mu\text{F}$, $V_{IN} = 4.3\text{V}$)

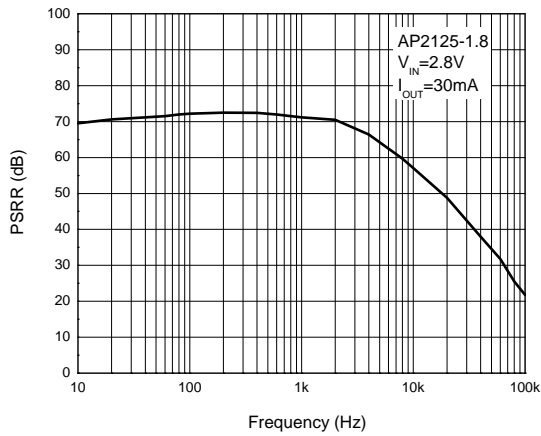


ESR vs. Output Current

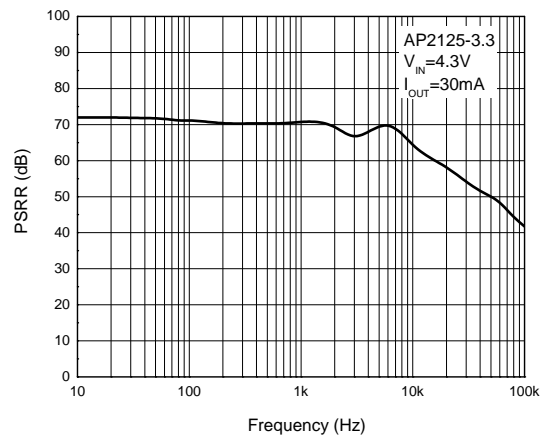


Performance Characteristics (Cont.)

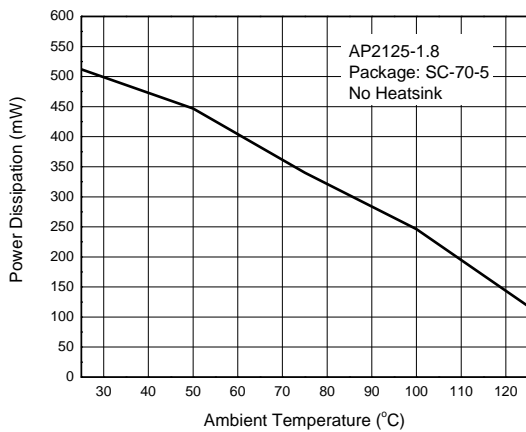
PSRR



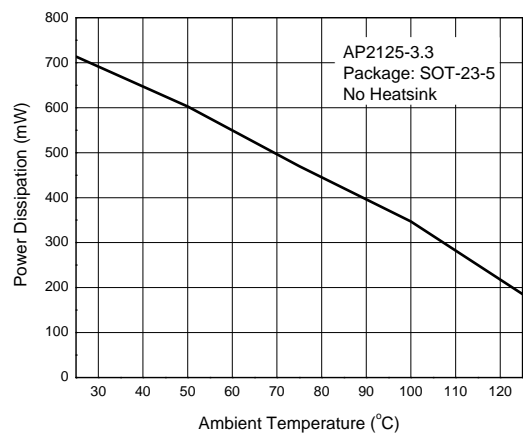
PSRR



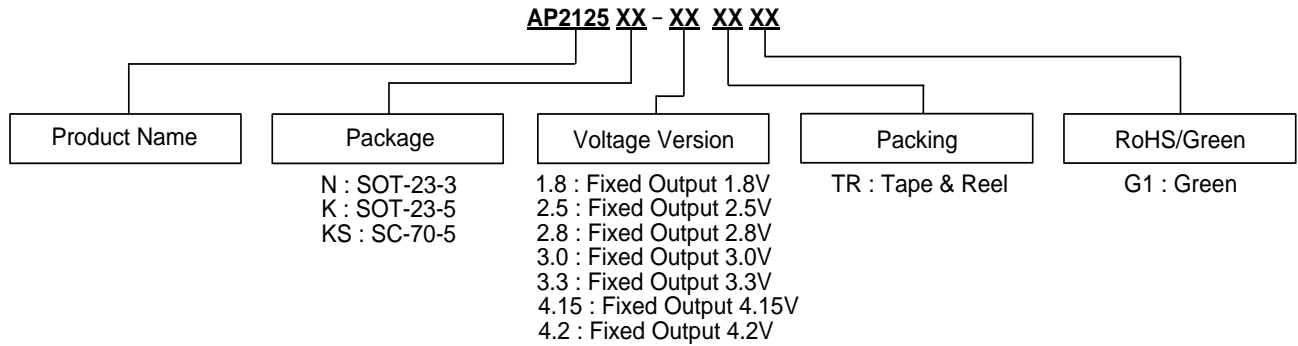
Power Dissipation vs. Ambient Temperature



Power Dissipation vs. Ambient Temperature



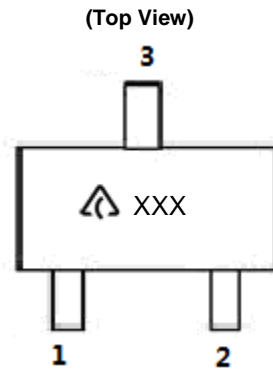
Ordering Information




Package	Temperature Range	Part Number	Marking ID	Packing
SOT-23-3	-40 to +85°C	AP2125N-1.8TRG1	GJ2	3000/Tape & Reel
		AP2125N-2.5TRG1	GJ4	3000/Tape & Reel
		AP2125N-2.8TRG1	GJ5	3000/Tape & Reel
		AP2125N-3.0TRG1	GJ6	3000/Tape & Reel
		AP2125N-3.3TRG1	GJ7	3000/Tape & Reel
		AP2125N-4.2TRG1	GJ3	3000/Tape & Reel
SOT-23-5	-40 to +85°C	AP2125K-1.8TRG1	GCB	3000/Tape & Reel
		AP2125K-2.5TRG1	GCD	3000/Tape & Reel
		AP2125K-2.8TRG1	GCE	3000/Tape & Reel
		AP2125K-3.0TRG1	GCF	3000/Tape & Reel
		AP2125K-3.3TRG1	GCG	3000/Tape & Reel
		AP2125K-4.15TRG1	GCJ	3000/Tape & Reel
SC-70-5	-40 to +85°C	AP2125KS-1.8TRG1	B6	3000/Tape & Reel
		AP2125KS-2.5TRG1	C5	3000/Tape & Reel
		AP2125KS-2.8TRG1	B7	3000/Tape & Reel
		AP2125KS-3.0TRG1	C6	3000/Tape & Reel
		AP2125KS-3.3TRG1	B8	3000/Tape & Reel
		AP2125KS-4.2TRG1	C4	3000/Tape & Reel

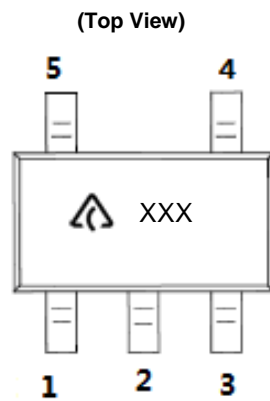
Marking Information


(1) SOT-23-3



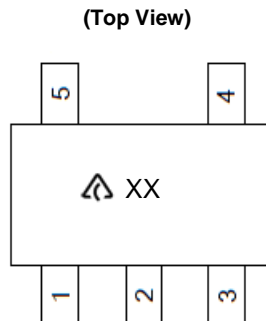
 : Logo
 XXX: Marking ID
 (See Ordering Information)


(2) SOT-23-5



 : Logo
 XXX: Marking ID
 (See Ordering Information)

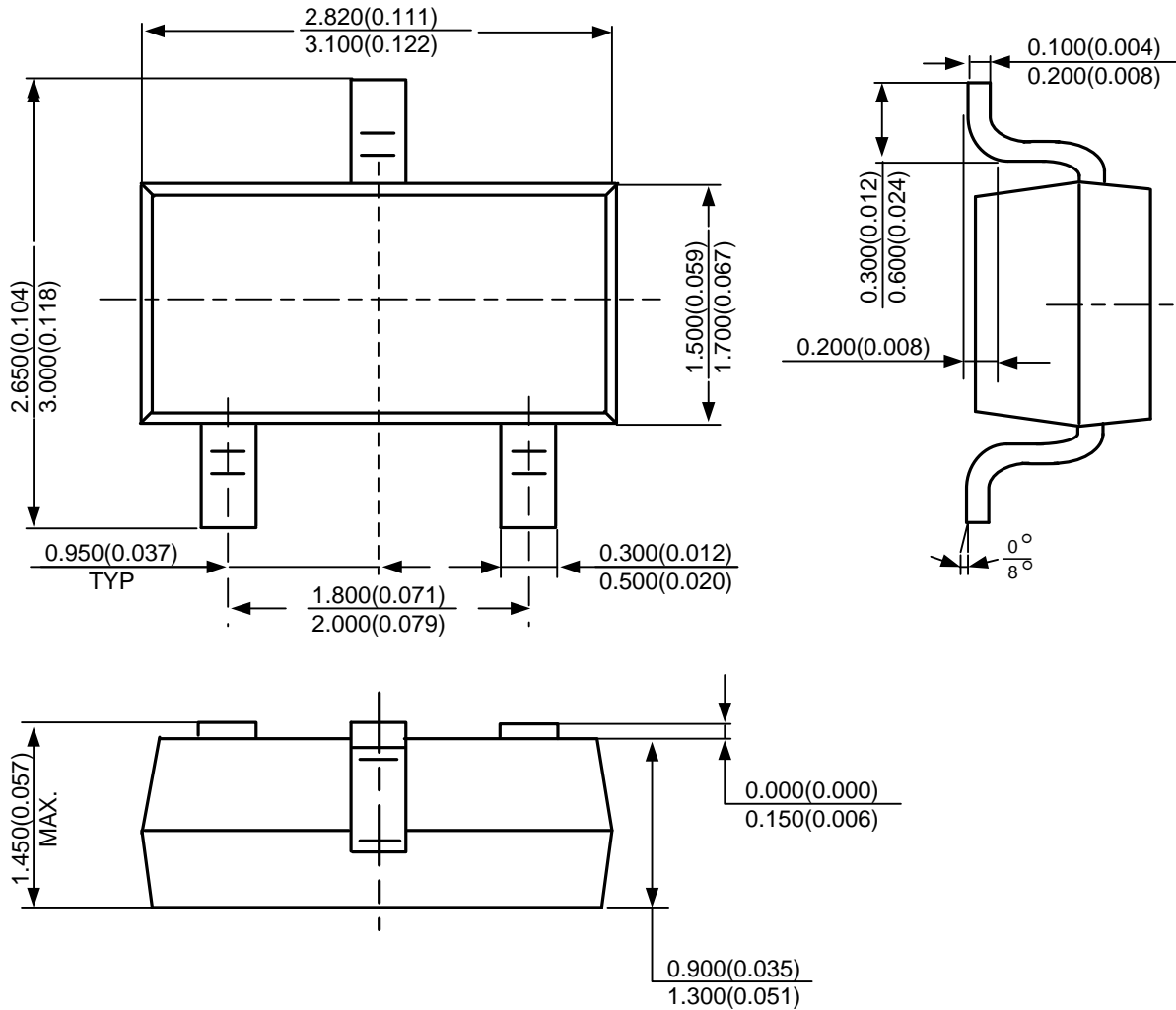
(3) SC-70-5



 : Logo
 XX: Marking ID
 (See Ordering Information)

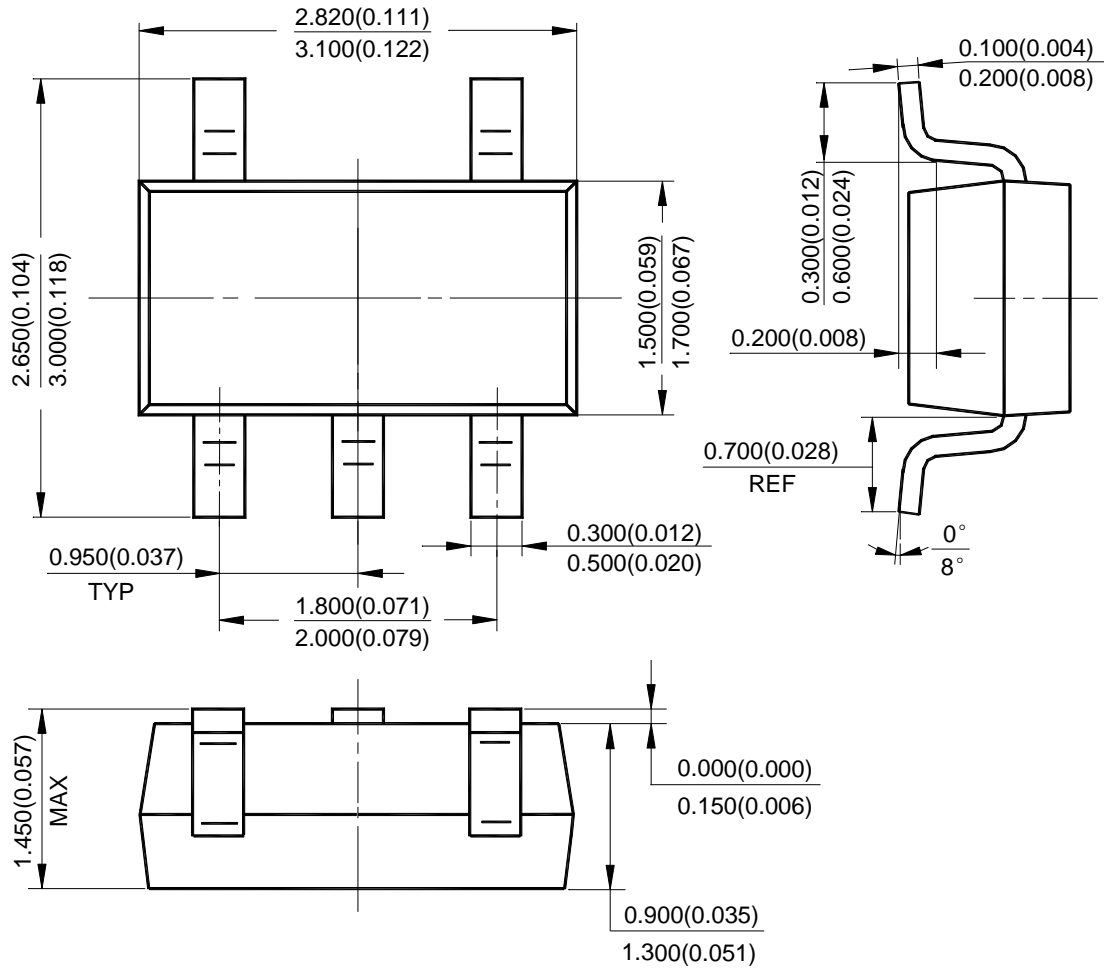
Package Outline Dimensions (All dimensions in mm(inch).)

(1) Package Type: SOT-23-3



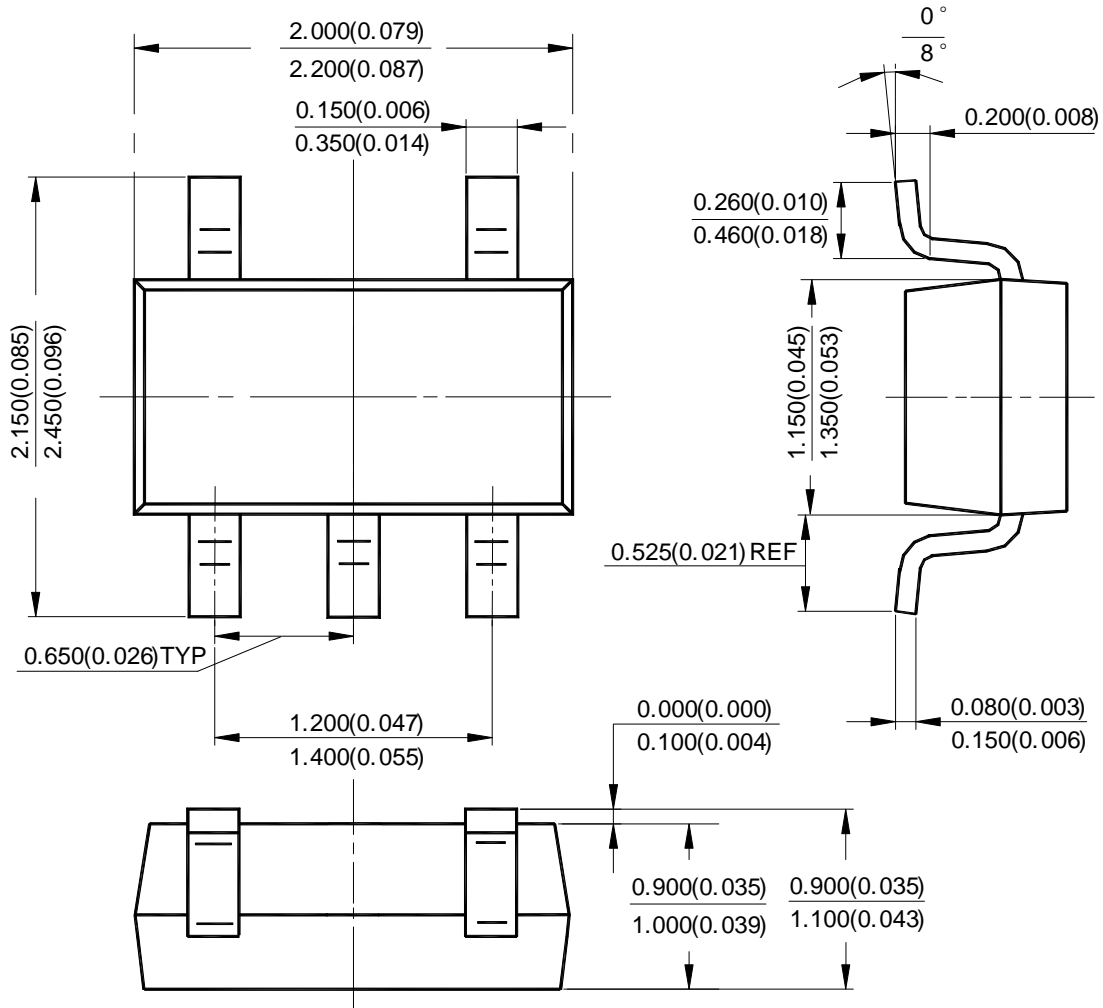
Package Outline Dimensions (Cont. All dimensions in mm(inch).)

(2) Package Type: SOT-23-5



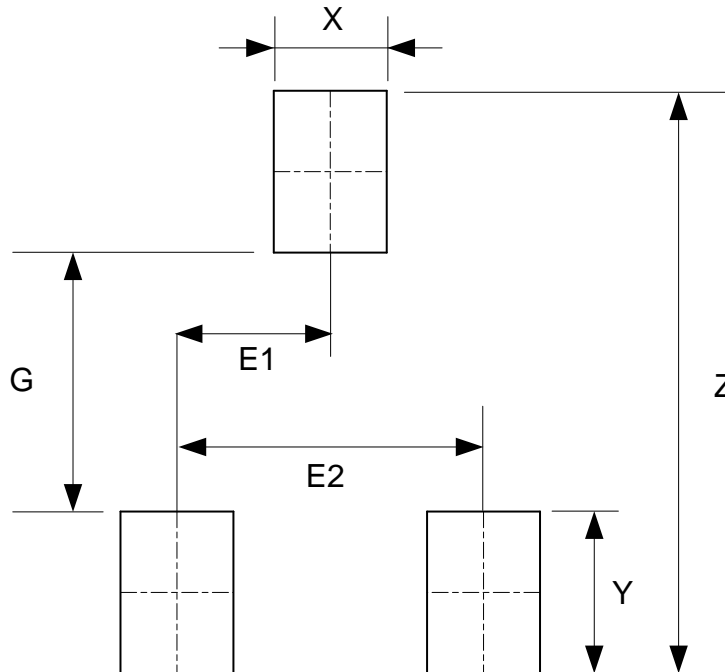
Package Outline Dimensions (Cont. All dimensions in mm(inch).)

(3) Package Type: SC-70-5



Suggested Pad Layout

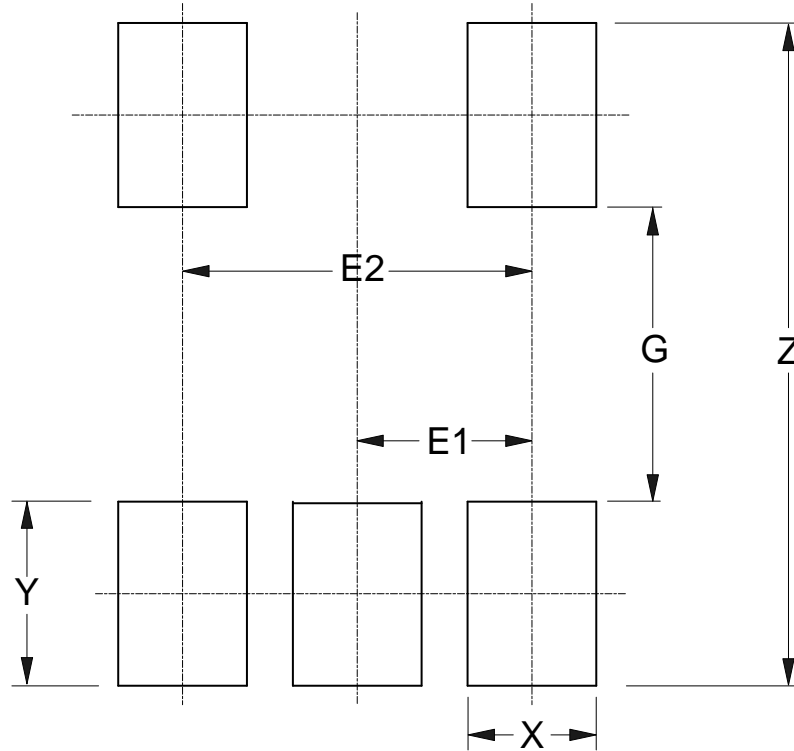
(1) Package Type: SOT-23-3



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E1 (mm)/(inch)	E2 (mm)/(inch)
Value	3.600/0.142	1.600/0.063	0.700/0.028	1.000/0.039	0.950/0.037	1.900/0.075

Suggested Pad Layout (Cont.)

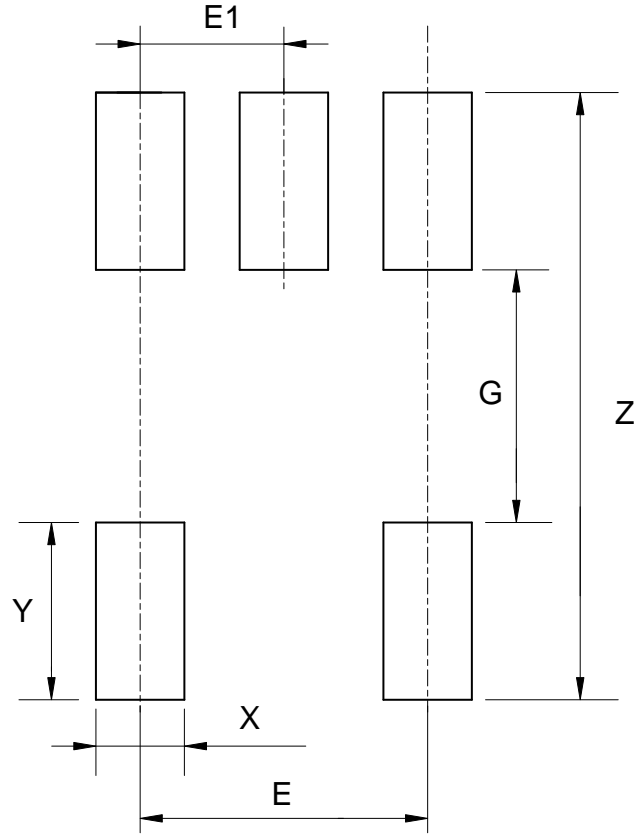
(2) Package Type: SOT-23-5



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E1 (mm)/(inch)	E2 (mm)/(inch)
Value	3.600/0.142	1.600/0.063	0.700/0.028	1.000/0.039	0.950/0.037	1.900/0.075

Suggested Pad Layout (Cont.)

(3) Package Type: SC-70-5



Dimensions	Z (mm)/(inch)	G (mm)/(inch)	X (mm)/(inch)	Y (mm)/(inch)	E (mm)/(inch)	E1 (mm)/(inch)
Value	2.740/0.108	1.140/0.045	0.400/0.016	0.800/0.031	1.300/0.051	0.650/0.026

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