5间UA78M00供应商

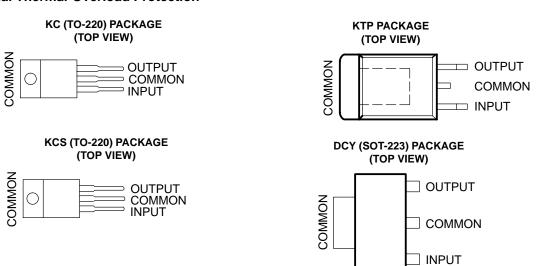
The μ A78M10 and μ A78M15 are obsolete and are no longer supplied

- 3-Terminal Regulators
- Output Current Up To 500 mA
- No External Components
- Internal Thermal-Overload Protection

µA78M00 SERIES POSITIVE-VOLTAGE REGULATORS

SLVS059K - JUNE 1976 - REVISED FEBRUARY 2003

- High Power-Dissipation Capability
- Internal Short-Circuit Current Limiting
- Output Transistor Safe-Area Compensation



description/ordering information

This series of fixed-voltage integrated-circuit voltage regulators is designed for a wide range of applications. These applications include on-card regulation for elimination of noise and distribution problems associated with single-point regulation. Each of these regulators can deliver up to 500 mA of output current. The internal current-limiting and thermal-shutdown features of these regulators essentially make them immune to overload. In addition to use as fixed-voltage regulators, these devices can be used with external components to obtain adjustable output voltages and currents, and also as the power-pass element in precision regulators.



Please be aware that an important notice concerning availability, standard warranty, and use in critical applications of Texas Instruments semiconductor products and disclaimers thereto appears at the end of this data sheet.

PRODUCTION DATA information is current as of publication date. Products conform to specifications per the terms of Texas Instruments standard warranty. Production processing does not necessarily include testing of all parameters.



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μA78M00 SERIES POSITIVE-VOLTAGE REGULATORS

The μA78M10 and μA78M15 are obsolete and are no longer supplied

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Тj	V _O (NOM) (V)	PACKAGE [†]		ORDERABLE PART NUMBER	TOP-SIDE MARKING
		Power Flex (KTP)	Reel of 3000	μA78M33CKTPR	UA78M33C
	2.2		Tube of 80	µA78M33CDCY	<u></u>
	3.3	SOT-223 (DCY)	Reel of 2500	µA78M33CDCYR	- C3
		TO-220 (KC)	Tube of 50	μА78М33СКС	UA78M33C
		Power Flex (KTP)	Reel of 3000	µA78M05CKTPR	UA78M05C
		SOT-223 (DCY)	Tube of 80	μA78M05CDCY	C5
	5	301-223 (DC1)	Reel of 2500	µA78M05CDCYR	- 05
		TO-220 (KC)	Tube of 50	μA78M05CKC	UA78M05C
0°C to 125°C		TO-220, short shoulder (KCS)	Tube of 20	μA78M05CKCS	UATONIUSC
	6	Power Flex (KTP)	Reel of 3000	μA78M06CKTPR	UA78M06C
		Power Flex (KTP)	Reel of 3000	µA78M08CKTPR	UA78M08C
	8	SOT-223 (DCY)	Tube of 80	µA78M08CDCY	- C8
	°	301-223 (DCT)	Reel of 2500	µA78M08CDCYR	0
		TO-220 (KC)	Tube of 50	μA78M08CKC	UA78M08C
	9	Power Flex (KTP)	Reel of 3000	µA78M09CKTPR	UA78M09C
	12	Power Flex (KTP)	Reel of 3000	μA78M12CKTPR	UA78M12C
	12	TO-220 (KC)	Tube of 50	μA78M12CKC	UA78M12C

ORDERING INFORMATION

[†]Package drawings, standard packing quantities, thermal data, symbolization, and PCB design guidelines are available at www.ti.com/sc/package.

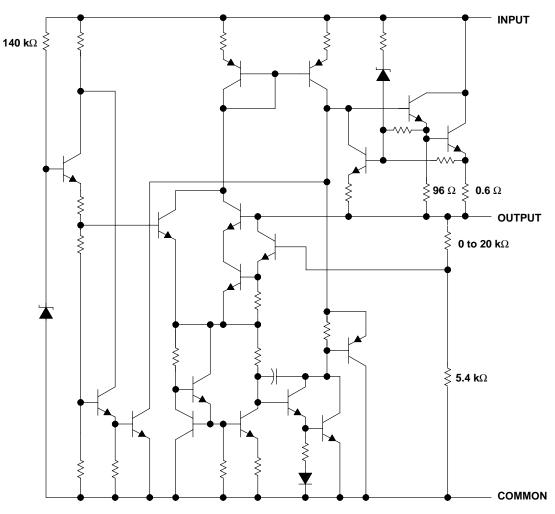


The μ A78M10 and μ A78M15 are obsolete and are no longer supplied

$\mu \text{A78M00 SERIES} \\ \text{POSITIVE-VOLTAGE REGULATORS} \\$

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schematic



Resistor values shown are nominal.



μ A78M00 SERIES POSITIVE-VOLTAGE REGULATORS

absolute maximum ratings over virtual junction temperature range (unless otherwise noted)[†]

Input voltage, V _I	
Package thermal impedance, θ_{JA} (see Notes 1 and 2): DCY package	
(see Notes 1 and 3): KC/KCS package	25°C/W
(see Notes 1 and 3): KTP package	28°C/W
Operating virtual junction temperature, T _J	150°C
Lead temperature 1,6 mm (1/16 inch) from case for 10 seconds	260°C
Storage temperature range, T _{stg}	-65°C to 150°C

[†] Stresses beyond 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-rated conditions for extended periods may affect device reliability.

NOTES: 1. Maximum power dissipation is a function of $T_J(max)$, θ_{JA} , and T_A . The maximum allowable power dissipation at any allowable ambient temperature is $P_D = (T_J(max) - T_A)/\theta_{JA}$. Selecting the maximum of 150°C can affect reliability.

2. The package thermal impedance is calculated in accordance with JESD 51-7.

3. The package thermal impedance is calculated in accordance with JESD 51-5.

recommended operating conditions

			MIN	MAX	UNIT
		μA78M33	5.3	25	
		μA78M05	7	25	
	μ A78M06	8	25	V	
N.	lonut velto zo	μ A78M08	10.5	25	
VI	Input voltage	μ A78M09	11.5	26	
		μA78M10	12.5	28	V
		μA78M12	14.5	30	v
		μA78M15	17.5	30	v
lo	Output current			500	mA
Тj	Operating virtual junction temperature		0	125	°C



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electrical characteristics at specified virtual junction temperature, $V_I = 8 V$, $I_O = 350 mA$, $T_J = 25^{\circ}C$ (unless otherwise noted)

DADAMETED	TEST CONDITIONS [†]			78M330	;	UNIT
PARAMETER	IE	ST CONDITIONS	MIN	TYP	MAX	
O day to get a set	I _O = 5 mA to 350 mA,		3.2	3.3	3.4	v
Output voltage [‡]	$V_{I} = 8 V$ to 20 V	$T_J = 0^{\circ}C$ to $125^{\circ}C$	3.1	3.3	3.5	v
	la 200 mA	$V_{I} = 5.3 \text{ V to } 25 \text{ V}$		9	100	mV
Input voltage regulation	I _O = 200 mA	$V_{I} = 8 V \text{ to } 25 V$		3	50	mv
Dianta aciastica	VI = 8 V to 18 V,	$I_{O} = 100 \text{ mA}, T_{J} = 0^{\circ}C \text{ to } 125^{\circ}C$	62		١D	
Ripple rejection	f = 120 Hz	I _O = 300 mA	62	80		dB
Output voltage regulation	V _I = 8 V,	I _O = 5 mA to 500 mA		20	100	mV
Temperature coefficient of output voltage	IO = 5 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$		-1		mV/°C
Output noise voltage	f = 10 Hz to 100 kHz			40	200	μV
Dropout voltage				2		V
Bias current				4.5	6	mA
	I _O = 200 mA,	$V_{I} = 8 V \text{ to } 25 V$, $T_{J} = 0^{\circ}C \text{ to } 125^{\circ}C$			0.8	
Bias current change	I _O = 5 mA to 350 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			0.5	mA
Short-circuit output current	VI = 35 V			300		mA
Peak output current				700		mA

[†] All characteristics are measured with a 0.33μ F capacitor across the input and a $0.1-\mu$ F capacitor across the output. Pulse-testing techniques maintain T_J as close to T_A as possible. Thermal effects must be taken into account separately.

[‡] This specification applies only for dc power dissipation permitted by absolute maximum ratings.

electrical characteristics at specified virtual junction temperature, $V_I = 10 V$, $I_O = 350 mA$, $T_J = 25^{\circ}C$ (unless otherwise noted)

DADAMETED)	
PARAMETER	IE	ST CONDITIONS [†]	MIN	TYP	MAX 5.2 5.25 100 50 100 50	UNIT
O de de la companya de la	IO = 5 mA to 350 mA,		4.8	5	5.2	V
Output voltage	$V_{I} = 7 V$ to 20 V	$T_J = 0^{\circ}C$ to $125^{\circ}C$	4.75		5.25	v
Innut voltage regulation	la 200 mA	$V_{I} = 7 V \text{ to } 25 V$		3	100	mV
Input voltage regulation	I _O = 200 mA	$V_{I} = 8 V \text{ to } 25 V$		1	50	mv
	$V_{I} = 8 V \text{ to } 18 V,$	$I_{O} = 100 \text{ mA}, T_{J} = 0^{\circ}C \text{ to } 125^{\circ}C$	62			dB
Ripple rejection	f = 120 Hz	I _O = 300 mA	62	80		uв
	I _O = 5 mA to 500 mA			20	100	mV
Output voltage regulation	I _O = 5 mA to 200 mA			10	50	mv
Temperature coefficient of output voltage	IO = 5 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$		-1		mV/°C
Output noise voltage	f = 10 Hz to 100 kHz			40	200	μV
Dropout voltage				2		V
Bias current				4.5	6	mA
Dies summent short so	I _O = 200 mA,	$V_I = 8 V$ to 25 V, $T_J = 0^{\circ}C$ to 125°C			0.8	
Bias current change	IO = 5 mA to 350 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			0.5	mA
Short-circuit output current	VI = 35 V			300		mA
Peak output current				0.7		А

[†] All characteristics are measured with a 0.33μ F capacitor across the input and a $0.1-\mu$ F capacitor across the output. Pulse-testing techniques maintain T_J as close to T_A as possible. Thermal effects must be taken into account separately.



μΑ78M00 SERIES POSITIVE-VOLTAGE REGULATORS

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electrical characteristics at specified virtual junction temperature, V_I = 11 V, I_O = 350 mA, T_J = 25° C (unless otherwise noted)

					A78M060	0	
PARAMETER		TEST CONDITIONS		MIN	TYP	MAX	UNIT
O desta de se	$L_{a} = 5 \text{ m} \text{ A to } 350 \text{ m} \text{ A}$	V _I = 8 V to 21 V		5.75	6	6.25	v
Output voltage	I _O = 5 mA to 350 mA,	v] = 8 v t0 21 v	$T_J = 0^{\circ}C$ to $125^{\circ}C$	5.7		6.3	v
Input voltage regulation	$l_{0} = 200 \text{ mA}$	$V_I = 8 V$ to 25 V			5	100	mV
Input voltage regulation	I _O = 200 mA	$V_I = 9 V$ to 25 V		1.	1.5	50	mv
Ripple rejection	V _I = 9 V to 19 V,	f = 120 Hz	$I_{O} = 100 \text{ mA},$ $T_{J} = 0^{\circ}\text{C} \text{ to } 125^{\circ}\text{C}$	59			dB
			I _O = 300 mA	59	80		
	$I_{O} = 5 \text{ mA to } 500 \text{ mA}$				20	120	20 mV
Output voltage regulation	$I_{O} = 5 \text{ mA to } 200 \text{ mA}$				10	60	mv
Temperature coefficient of output voltage	I _O = 5 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			-1		mV/°C
Output noise voltage	f = 10 Hz to 100 kHz				45		μV
Dropout voltage					2		V
Bias current					4.5	6	mA
Diag ourrent change	V _I = 9 V to 25 V,	I _O = 200 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			0.8	mA
Bias current change	$I_{O} = 5 \text{ mA to } 350 \text{ mA},$	T _J = 0°C to 125°C				0.5	mA
Short-circuit output current	VI = 35 V				270		mA
Peak output current					0.7		А

[†] All characteristics are measured with a $0.33 - \mu$ F capacitor across the input and a $0.1 - \mu$ F capacitor across the output. Pulse-testing techniques maintain T_J as close to T_A as possible. Thermal effects must be taken into account separately.

electrical characteristics at specified virtual junction temperature, $V_I = 14 V$, $I_O = 350 mA$, $T_J = 25^{\circ}C$ (unless otherwise noted)

DADAMETER		TERT CONDITIONAL			\78M080)	
PARAMETER		TEST CONDITIONS [†]		MIN TYP MAX 7.7 8 8.3 5°C 7.6 8.4 6 100 2 50	UNIT		
				7.7	8	8.3	v
Output voltage	$V_{l} = 10.5 V \text{ to } 23 V,$	$I_{O} = 5 \text{ mA to } 350 \text{ mA}$	$T_J = 0^{\circ}C$ to $125^{\circ}C$	7.6		8.4	v
Innut voltogo regulation	la 200 mA	V _I = 10.5 V to 25 V			6	100	mV
Input voltage regulation	I _O = 200 mA	V _I = 11 V to 25 V			2	50	mv
Dipple rejection	V _I = 11.5 V to 21.5 V,	I _O = 100 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$	56			dB
Ripple rejection	f = 120 Hz	I _O = 300 mA		56	80		uв
Output voltage regulation	$I_{O} = 5 \text{ mA to } 500 \text{ mA}$				25	160	mV
Oulput voltage regulation	$I_{O} = 5 \text{ mA to } 200 \text{ mA}$				10	80	mv
Temperature coefficient of output voltage	I _O = 5 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			-1		mV/°C
Output noise voltage	f = 10 Hz to 100 kHz				52		μV
Dropout voltage					2		V
Bias current					4.6	6	mA
Diag summent shares	VI = 10.5 V to 25 V,	I _O = 200 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			0.8	A
Bias current change	I _O = 5 mA to 350 mA,	T _J = 0°C to 125°C				0.5	mA
Short-circuit output current	VI = 35 V				250		mA
Peak output current					0.7		А

[†] All characteristics are measured with a 0.33-μF capacitor across the input and a 0.1-μF capacitor across the output. Pulse-testing techniques maintain T_J as close to T_A as possible. Thermal effects must be taken into account separately.



SLVS059K - JUNE 1976 - REVISED FEBRUARY 2003

electrical characteristics at specified virtual junction temperature, $V_I = 16 V_{,I_O} = 350 mA$, $T_J = 25^{\circ}C$ (unless otherwise noted)

				μ Α78Μ09C			
PARAMETER		TEST CONDITIONS [†]		MIN	TYP	MAX 9.4 9.5 100 50 180 90 90 6 0.8	UNIT
O da a da a da a da	$V_{4} = 11.5 V_{10} 24 V_{10}$	b = 5 mA to 250 mA		8.6	9	9.4	v
Output voltage	V _I = 11.5 V to 24 V,	$I_{O} = 5 \text{ mA to } 350 \text{ mA}$	$T_J = 0^{\circ}C$ to $125^{\circ}C$	8.5		9.5	v
Input voltage regulation	$l_{0} = 200 \text{ m}$	V _I = 11.5 V to 26 V			6	100	mV
Input voltage regulation	I _O = 200 mA	V _I = 12 V to 26 V			2	50	mv
Dinale rejection	V _I = 13 V to 23 V,	I _O = 100 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$	56			dB
Ripple rejection	f = 120 Hz	I _O = 300 mA		56	80		uв
Output voltage regulation	$I_{O} = 5 \text{ mA to } 500 \text{ mA}$				25	180	mV
Output voltage regulation	$I_{O} = 5 \text{ mA to } 200 \text{ mA}$				10	90	mv
Temperature coefficient of output voltage	I _O = 5 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			-1		mV/°C
Output noise voltage	f = 10 Hz to 100 kHz				58		μV
Dropout voltage					2		V
Bias current					4.6	6	mA
Diag ourrent change	VI = 11.5 V to 26 V,	I _O = 200 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			0.8	mA
Bias current change	I _O = 5 mA to 350 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$				0.5	mA
Short-circuit output current	VI = 35 V				250		mA
Peak output current					0.7		Α

[†] All characteristics are measured with a 0.33-μF capacitor across the input and a 0.1-μF capacitor across the output. Pulse-testing techniques maintain T_J as close to T_A as possible. Thermal effects must be taken into account separately.

electrical characteristics at specified virtual junction temperature, V_I = 17 V, I_O = 350 mA, T_J = 25°C (unless otherwise noted)

PARAMETER		+		μ /	A78M100	C	UNIT
PARAMETER		TEST CONDITIONS [†]		MIN	TYP	MAX	UNIT
O to the alterna	1/1 - 12.5 / (10.25)/	$l_{n} = 5 \text{ m} \Lambda \text{ to } 250 \text{ m} \Lambda$		9.6	10	10.4	V
Output voltage	$V_{l} = 12.5 V \text{ to } 25 V,$	$I_{O} = 5 \text{ mA to } 350 \text{ mA}$	$T_J = 0^{\circ}C$ to $125^{\circ}C$	9.5		10.5	v
	$l_{0} = 200 \text{ mA}$	VI = 12.5 V to 28 V			7	100	mV
Input voltage regulation	I _O = 200 mA	V _I = 14 V to 28 V			2	50	mv
Dipple rejection	VI = 15 V to 25 V,	I _O = 100 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$	59		d	dB
Ripple rejection	f = 120 Hz	IO = 300 mA		55	80		uВ
Output voltage regulation	$I_{O} = 5 \text{ mA to } 500 \text{ mA}$				25	200	mV
Oulput voltage regulation	$I_{O} = 5 \text{ mA to } 200 \text{ mA}$				10	100	mv
Temperature coefficient of output voltage	I _O = 5 mA,	TJ = 0°C to 125°C			-1		mV/°C
Output noise voltage	f = 10 Hz to 100 kHz				64		μV
Dropout voltage					2		V
Bias current					4.7	6	mA
Diag ourrent change	VI = 12.5 V to 28 V,	I _O = 200 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			0.8	~ ^
Bias current change	I _O = 5 mA to 350 mA,	T _J = 0°C to 125°C				0.5	mA
Short-circuit output current	VI = 35 V				245		mA
Peak output current					0.7		А

[†] All characteristics are measured with a 0.33-μF capacitor across the input and a 0.1-μF capacitor across the output. Pulse-testing techniques maintain T_{,1} as close to T_A as possible. Thermal effects must be taken into account separately.



SLVS059K - JUNE 1976 - REVISED FEBRUARY 2003

electrical characteristics at specified virtual junction temperature, V_I = 19 V, I_O = 350 mA, T_J = 25°C (unless otherwise noted)

	TTOT CONDITIONOT			μ Α78Μ12C			UNIT
PARAMETER		TEST CONDITIONS [†]		MIN	TYP	MAX 12.5 12.6 100 50 240 120 120	
Ontendentille	$V_{1} = 14.5 V_{1} = 27.V_{1}$	la – 5 mÅ to 250 mÅ		11.5	12	12.5	v
Output voltage	$V_{I} = 14.5 V \text{ to } 27 V,$	$I_{O} = 5 \text{ mA to } 350 \text{ mA}$	$T_J = 0^{\circ}C$ to $125^{\circ}C$	11.4		12.6	v
Input voltage regulation	$l_{0} = 200 \text{ mA}$	V _I = 14.5 V to 30 V			8	100	mV
Input voltage regulation	I _O = 200 mA	$V_{I} = 16 V \text{ to } 30 V$			2		mv
Ripple rejection	V _I = 15 V to 25 V,	I _O = 100 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$	55			dB
Ripple rejection	f = 120 Hz	I _O = 300 mA		55	80		uБ
Output voltage regulation	$I_{O} = 5 \text{ mA to } 500 \text{ mA}$				25	240	mV
	$I_{O} = 5 \text{ mA to } 200 \text{ mA}$				10	120	IIIV
Temperature coefficient of output voltage	I _O = 5 mA				-1		mV/∘C
Output noise voltage	f = 10 Hz to 100 kHz				75		μV
Dropout voltage					2		V
Bias current					4.8	6	mA
Dies surrent shangs	VI = 14.5 V to 30 V,	I _O = 200 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			0.8	
Bias current change	$I_{O} = 5 \text{ mA to } 350 \text{ mA},$	$T_J = 0^{\circ}C$ to $125^{\circ}C$				0.5	mA
Short-circuit output current	VI = 35 V				240		mA
Peak output current					0.7		А

[†] All characteristics are measured with a 0.33-μF capacitor across the input and a 0.1-μF capacitor across the output. Pulse-testing techniques maintain T_J as close to T_A as possible. Thermal effects must be taken into account separately.

electrical characteristics at specified virtual junction temperature, $V_I = 23 V$, $I_O = 350 mA$, $T_J = 25^{\circ}C$ (unless otherwise noted)

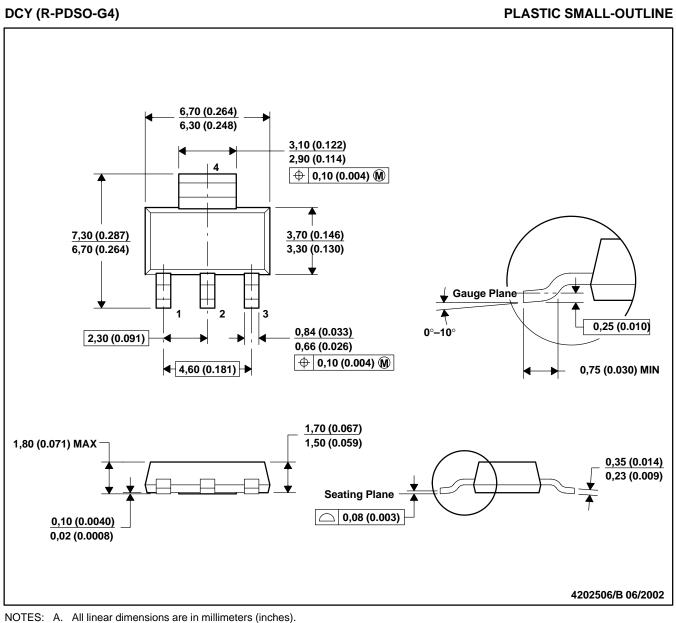
DADAMETER		TEST CONDITIONS			78M150	C	LINUT
PARAMETER		TEST CONDITIONS [†]		MIN TYP MAX 14.4 15 15.6 °C 14.25 15.75 10 100 3 50	UNIT		
Ontractionality	1/1 - 17.5 / (10.20)/	$l_{0} = 5 \text{ m} \Lambda \text{ to } 250 \text{ m} \Lambda$		14.4	15	15.6	v
Output voltage	V _I = 17.5 V to 30 V,	I _O = 5 mA to 350 mA	$T_J = 0^{\circ}C$ to $125^{\circ}C$	14.25		15.75	v
Input voltage regulation	$l_{0} = 200 \text{ m}$	VI = 17.5 V to 30 V			10	100	mV
Input voltage regulation	I _O = 200 mA	V _I = 20 V to 30 V			3	50	IIIV
Ripple rejection	V _I = 18.5 V to 28.5 V,	l _O = 100 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$	54		d	dB
	f = 120 Hz	I _O = 300 mA		54	70		uВ
Output voltage regulation	$I_{O} = 5 \text{ mA to } 500 \text{ mA}$				25	300	mV
Oulput voltage regulation	$I_{O} = 5 \text{ mA to } 200 \text{ mA}$				10	150	IIIV
Temperature coefficient of output voltage	I _O = 5 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			-1		mV/°C
Output noise voltage	f = 10 Hz to 100 kHz				90		μV
Dropout voltage					2		V
Bias current					4.8	6	mA
Diag ourrest shappe	V _I = 17.5 V to 30 V,	I _O = 200 mA,	$T_J = 0^{\circ}C$ to $125^{\circ}C$			0.8	
Bias current change	I _O = 5 mA to 350 mA,	T _J = 0°C to 125°C				0.5	mA
Short-circuit output current	VI = 35 V				240		mA
Peak output current					0.7		А

[†] All characteristics are measured with a 0.33-μF capacitor across the input and a 0.1-μF capacitor across the output. Pulse-testing techniques maintain T_J as close to T_A as possible. Thermal effects must be taken into account separately.



MECHANICAL DATA

MPDS094A - APRIL 2001 - REVISED JUNE 2002



- B. This drawing is subject to change without notice.
- C. Body dimensions do not include mold flash or protrusion.
- D. Falls within JEDEC TO-261 Variation AA.

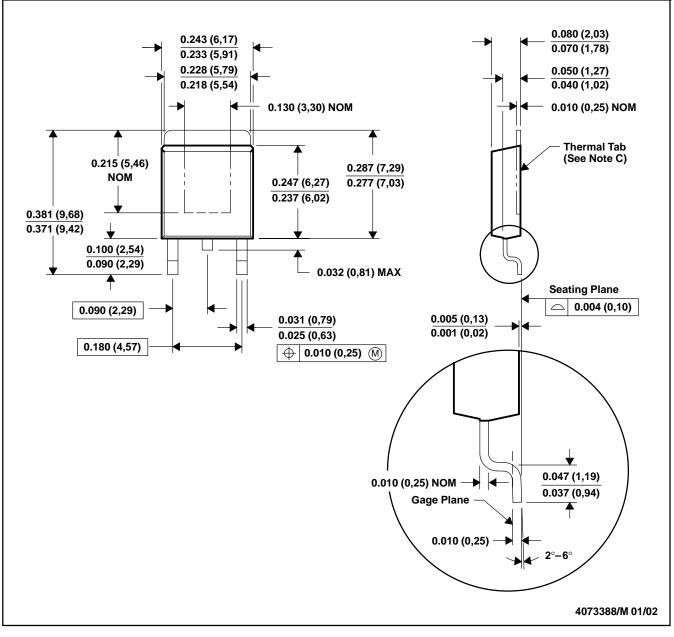


MECHANICAL DATA

MPSF001F - JANUARY 1996 - REVISED JANUARY 2002

KTP (R-PSFM-G2)

PowerFLEX[™] PLASTIC FLANGE-MOUNT PACKAGE



- NOTES: A. All linear dimensions are in inches (millimeters).
 - B. This drawing is subject to change without notice.
 - C. The center lead is in electrical contact with the thermal tab.
 - D. Dimensions do not include mold protrusions, not to exceed 0.006 (0,15).
 - E. Falls within JEDEC TO-252 variation AC.

PowerFLEX is a trademark of Texas Instruments.

PLASTIC FLANGE-MOUNT PACKAGE

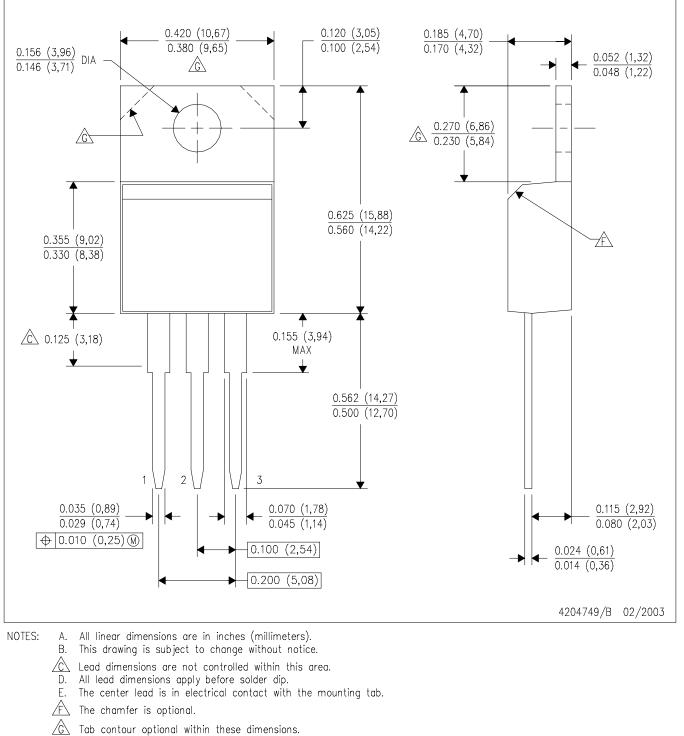
MPSF017A - OCTOBER 2002 - REVISED FEBRUARY 2003

SHEET

3

B 2

KCS (R-PSFM-T3)



SCALE

A

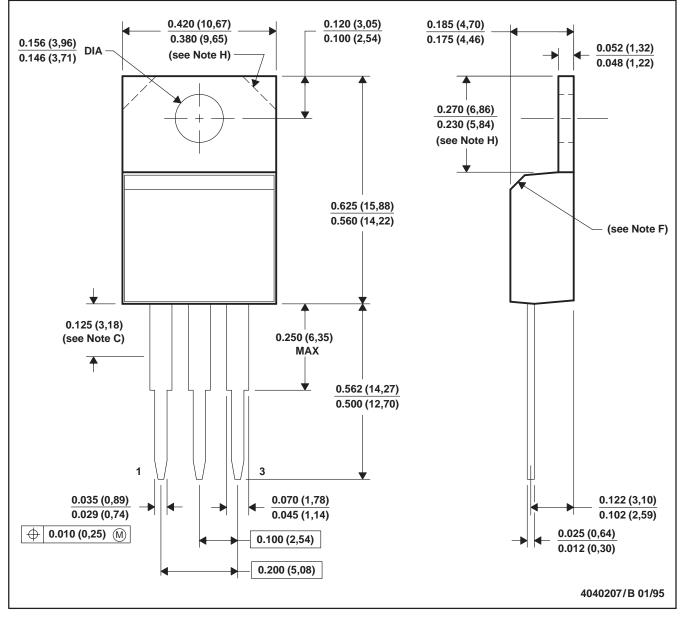
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- H. Falls within JEDEC TO-220 variation AB.

MECHANICAL DATA

MSOT007A - JANUARY 1995 - REVISED SEPTEMBER 1995

PLASTIC FLANGE-MOUNT PACKAGE



NOTES: A. All linear dimensions are in inches (millimeters).

- B. This drawing is subject to change without notice.
- C. Lead dimensions are not controlled within this area.
- D. All lead dimensions apply before solder dip.
- E. The center lead is in electrical contact with the mounting tab.
- F. The chamfer is optional.

KC (R-PSFM-T3)

- G. Falls within JEDEC TO-220AB
- H. Tab contour optional within these dimensions



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