

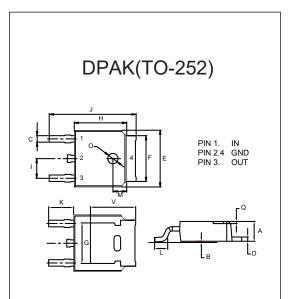
Features

- Output Current in Excess of 0.5 Ampere
- Internal Thermal Overload Protection
- Internal Short-circuit Current Limiting
- · High Power Dissipation Capability
- · Moisture Sensitivity Level 1
- · Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

Parameter	Symbol	Value	Unit
Input Voltage	Vı	10.5~25	V
Storage Temperature Range	T _{STG}	-65~150	°C

Three-Terminal Positive Voltage Regulators



A 0.	MIN .087	MAX 0.094	MIN	MAX	NOTE
A 0.	.087			MAX	NOIL
		0.094			
	000	0.00.	2.20	2.40	
B 0.	.000	0.005	0.00	0.13	
C 0.	.026	0.034	0.66	0.86	
D 0.	.018	0.023	0.46	0.58	
E 0.	.256	0.264	6.50	6.70	
F 0.	.201	0.215	5.10	5.46	
G	0.190		4.83		TYP.
H 0.	.236	0.244	6.00	6.20	
I 0.	.086	0.094	2.18	2.39	
J 0.	.386	0.409	9.80	10.40	
K	0.114		2.90		TYP.
L 0.	.055	0.067	1.40	1.70	
M	0.063		1.60		TYP.
O 0.	.043	0.051	1.10	1.30	
Q 0.	.000	0.012	0.00	0.30	
V	0.211		5.35		TYP.



Electrical Characteristics

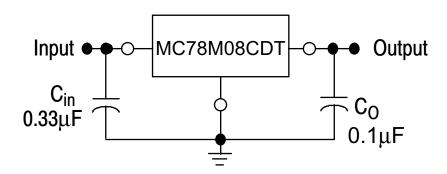
 $(V_i=10V,\,I_o=350mA,\,0^{\circ}C < T_j <\,125\,^{\circ}C,C_i=0.33uF,\,C_o=0.1uF,Unless\,Otherwise\,Specified)$

Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Output Voltage	\/-	T _j =25°C	7.7	8.0	8.3	V
	Vo	10.5V≤V _i ≤23V,5mA≤I _o ≤350mA	7.6	8.0	8.4	V
Load Regulation △V	43/6	5mA≤I _o ≤500mA,T _j =25°C	-	-	160	mV
	Δνο	5mA≤I _o ≤200mA,T _j =25°C	-	-	80	mV
Line Regulation	43/-	11.0V≤V₁≤25V,I₀=0.2A	-	-	100	mV
	△Vo	10.5V≤V ₁ ≤25V,I _o =0.2A	-	-	50	mV
Quiescent Current	Iq	T _j =25°C	-	-	6.0	mA
Quiescent Current Change	10.5V≤V _i ≤25V,I _o =200mA,	-	-	0.8	mA	
	ΔIq		-	-	0.5	mA
Output Noise Voltage	V _N	10Hz≤f≤100Hz	-	52	-	μV
Dropout Voltage	V _d	T _j =25°C	-	2.0	-	V

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Typcial Application



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Ordering Information

Device	Packing	
Part Number-TP	Tape&Reel:2.5Kpcs/Reel	

Note: Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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