

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
- Halogen Free. "Green" Device (Note 1)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

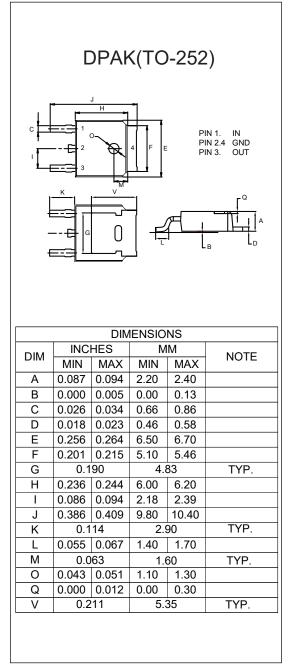
Maximum Ratings

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

Note:

1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Three-Terminal Positive Voltage Regulators





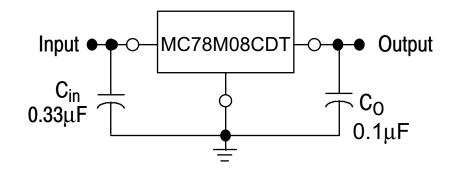
Electrical Characteristics

(V_i=10V, I_o=350mA, 0°C < T_j < 125 °C,C_i=0.33uF, C_o=0.1uF,Unless Otherwise Specified)

Parameter	Symbol	Test Conditions	Min	Тур	Мах	Unit
Output Voltage		T _j =25°C	7.7	8.0	8.3	V
	Vo	10.5V≤V _i ≤23V,5mA≤I₀≤350mA	7.6	8.0	8.4	V
Load Regulation		5mA≤l₀≤500mA,Tj=25°C	-	-	160	mV
	∆Vo	5mA≤l₀≤200mA,Tj=25°C	-	-	80	mV
Line Regulation	∆Vo	11.0V≤V₁≤25V,I₀=0.2A	-	-	100	mV
		10.5V≤V₁≤25V,I₀=0.2A	-	-	50	mV
Quiescent Current	lq	T _j =25°C	-	-	6.0	mA
Quiescent Current Change		10.5V≤Vi≤25V,I₀=200mA, 5mA≤I₀≤350mA	-	-	0.8	mA
	∆l _q		-	-	0.5	mA
Output Noise Voltage	V _N	10Hz≤f≤100Hz	-	52	-	μV
Dropout Voltage	V _d	T _j =25°C	-	2.0	-	V



Typcial Application





Ordering Information

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

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