

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)

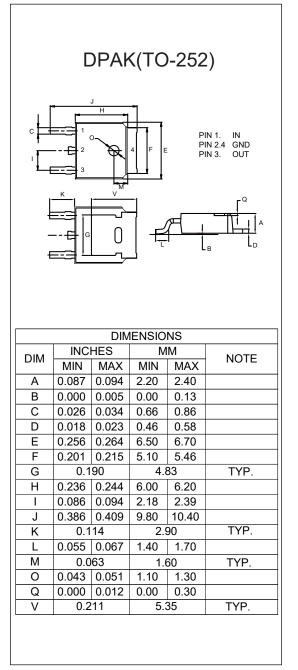
Maximum Ratings

Parameter	Symbol	Value	Unit
Input Voltage	VI	35	V
Operating Junction Temperature Range	T _{OPR}	0~125	°C
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





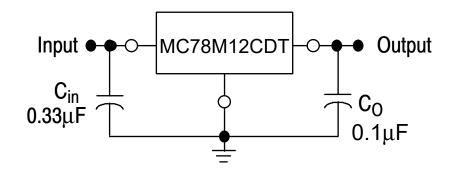
Electrical Characteristics

$(V_i=19V, I_o=350mA, 0^{\circ}C < T_j < 125 ^{\circ}C, C_i=0.33uF, C_o=0.1uF, Unless Otherwise Specified)$

Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Output Voltage	Vo	T _j =25°C	11.5	12.0	12.5	V
		14.5V≤Vi≤27V,5mA≤I₀≤350mA, P _D ≤15W,	11.4	12.0	12.6	V
Load Regulation	∆Vo	5mA≤l₀≤500mA,Tj=25°C	-	25	240	mV
		5mA≤l₀≤200mA,Tj=25°C	-	10	120	mV
Line Regulation	∆Vo	14.5V≤V₁≤30V ,I₀=0.2A	-	10	100	mV
		16.0V≤V₁≤30V,I₀=0.2A	-	3.0	50	mV
Quiescent Current	lq	T _j =25°C	-	4.6	6.0	mA
Quiescent Current Change	۵lq	14.5V≤Vi≤30V,I₀=0.2A 5mA≤I₀≤350mA	-	-	0.8	mA
			-	-	0.5	mA
Output Noise Voltage	V _N	10Hz≤f≤100Hz	-	75	-	μV
Ripple Rejection	RR	15V≤Vi≤25V, f=120Hz,I₀=0.3A,Tj=25°C	-	55	80	dB
Dropout Voltage	V _d	I _o =0.35A,T _j =25°C	-	2.0	-	V
Output Short Circuit Current	I _{sc}	V _i =19V,T _j =25°C	-	240	-	mA
Peak Output Current	I _{PK}	T _j =25°C	-	0.7	-	Α



Typcial Application





Ordering Information

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

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