

Features

- Output Voltage can be Adjusted to 36V
- Trapping Current Capability is 1 to 100 mA
- The Effective Temperature Compensation in the Working Range of Full Temperature
- Low Dynamic Output Impendance, Its Typical Value is 0.2Ω
- Low Output Noise Voltage
- Fast On-state Response
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

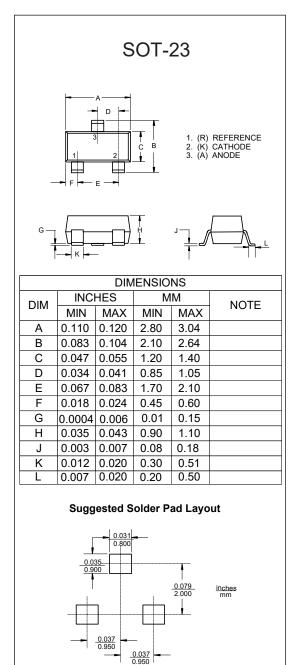
Maximum Ratings

Parameter	Symbol	Value	Unit
Input Voltage	V ₁	37	V
Operating Temperature	T _{opr}	0~70	°C
Storage Temperature Range	T _{STG}	-55~150	°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.

Adjusttable Accurate Refence Source





Electrical Characteristics @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Reference Input Voltage	V _{ref}	$V_{KA}=V_{REF}$, $I_{KA}=10mA$	2.45	2.50	2.55	V
Deviation of Reference Input Voltage	∆V _{ref} / ∆T	V _{KA} =V _{REF} , I _{KA} =10mA Tmin≤Ta≤Tmax		4.5	17	mV
Ratio of Change in Reference Input	ΔV_{ref} /	$\triangle V_{KA}$ =10V~V _{ref} , I _{KA} =10mA		-1.0	-2.7	
Voltage to the Change in Cathode Voltage	$ riangle V_{KA}$	$\triangle V_{KA}$ =36V~10V, I _{KA} =10mA		-0.5	-2.0	
Reference Input Current	I _{ref}	I_{KA} =10mA, R ₁ =10KΩ , R ₂ =∞		1.5	4.0	μA
Deviation of Reference Input Current Over Full Temperature Range	∆I _{ref} / ∆T	I _{KA} =10mA, R ₁ =10KΩ , R ₂ =∞ T _A =full Temperature		0.4	1.2	μA
Minimum Cathode Current for Regulation	I _{KA(min)}	V _{KA} =V _{REF}		0.45	1.0	mA
Off-State Cathode Current	I _{KA(off)}	V _{KA} =36V, V _{REF} =0V		0.05	1.0	μA
Dynamic Impedance	Z _{KA}	V _{KA} =V _{REF} , I _{KA} =1 to 100mA, f≤1.0KHz		0.15	0.5	Ω



Ordering Information

Device	Packing		
Part Number-TP	Tape&Reel: 3Kpcs/Reel		

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