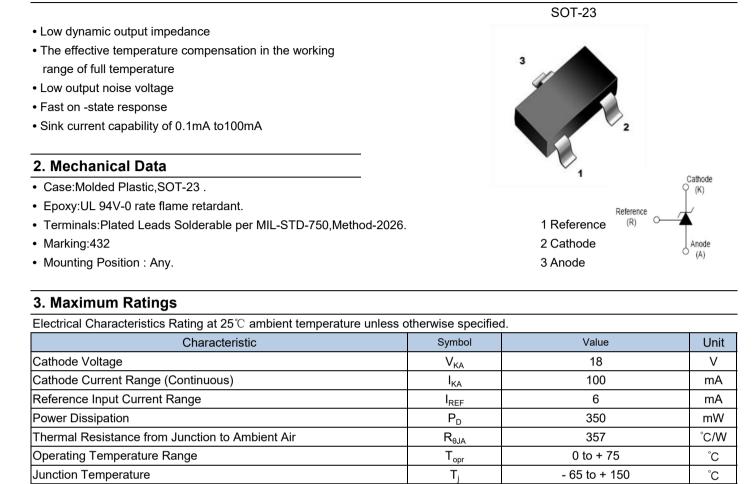


Adjustable Reference source

- 65 to + 150

°C



Storage Temperature Range T_{stg}

Characteristics		Symbol	Min	TYP	Max	Unit
Recmmended Operating Conditions						
Reference Input Voltage at V _{KA} = V _{REF} , I _{KA} = 10 mA	0.50%	V_{REF}	1.2338	-	1.2462	V
Reference Input Voltage at V _{KA} = V _{REF} , I _{KA} = 10 mA	1%	V_{REF}	1.2276	-	1.2524	V
Reference Input Voltage at V_{KA} = V_{REF} , I_{KA} = 10 mA	1.5%	V _{REF}	1.2214	-	1.2586	V
Deviation of reference voltage over full temperature range at V_{KA} = V_{REF} , I_{KA} = 10mA,0 °C ≤ T_a ≤ + 70 °C		$\Delta V_{REF(DEV)}$	-	-	16	mV
Ratio of Change in Reference Input Voltage to the Change in Cathode Voltage at I_{KA} = 10 mA, ΔV_{KA} =1.25V to 15V		$\Delta V_{\text{REF}} / \Delta V_{\text{KA}}$	-	-	2.4	mV/V
Deviation of Reference Input Current Over Full Temperatue at I _{KA} = 10 mA, R1 = 10 KΩ, R2 = ∞,0 ℃≤ T _a ≤ + 70 ℃		$\Delta I_{REF} / \Delta T$	-	-	0.6	μA
Minimum Cathode Current for Regulation at $V_{KA} = V_{REF}$		I _{KA(min)}	-	-	0.1	mA
Off-Stage Cathode Current at V_{KA} = 15 V, V_{REF} = 0		I _{KA(OFF)}	-	-	0.5	μA
Dynamic Impedance at $V_{KA} = V_{REF}$, $I_{KA} = 0.1$ to 20 mA, f ≤ 1 KHz		Z _{KA}	-	-	0.5	Ω



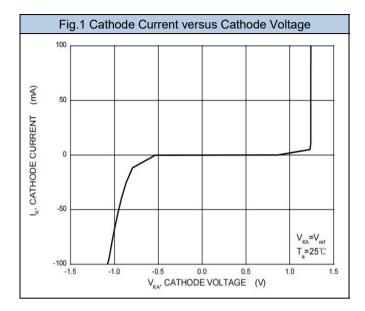
1. Features

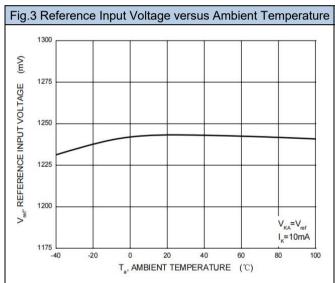


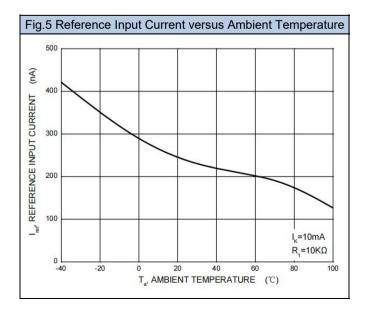
MMTL432M

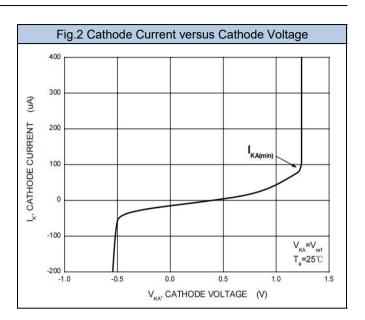
Adjustable Reference source

5. Rating And Characteristic Curves

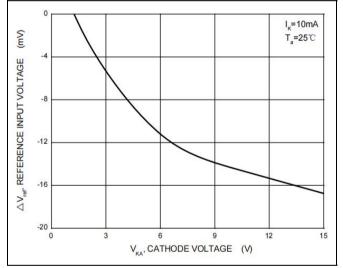


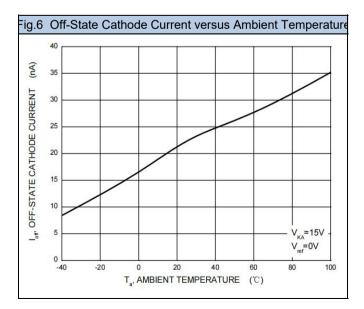






g.4 Change in Reference Input Voltage versus Cathode Voltage



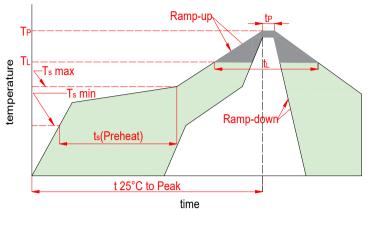




MMTL432M

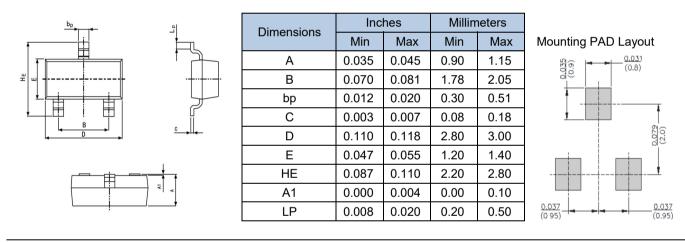
Adjustable Reference source

6. Soldering Parameters

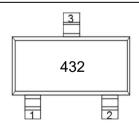


	Lead-free		
	Temp. min(T _s (min))	150 ℃	
Pre Heat	Temp. max(T _s (min))	200 ℃	
	Time(min to max)(t _s)	60~120s	
Aver. ramp up rate(Liquidus Temp.)(T _L)to peak		3℃/s max	
T _s (max) to T _L -Ramp-up Rate		3℃/s max	
Reflow	Temp.(T _L)(Liquidus)	217 ℃	
	Temp.(t _L)(Liquidus)	60~150s	
Peak Temp.(T _P)		260⁺ ^{0/-5} ℃	
Time within actual peak Temp.(t _p)		30s max	
Ramp-down Rate		6℃/s max	
Time 25 $^\circ C$ to peak Tempe.(T _p)		8 minutes max	
Do not exceed		260 ℃	

7. Dimensions



8. Part Marking System



9. Package Information

Package	Part Number	Tape Width(mm)	Quantity(pcs)
SOT-23	MMTL432M	8	3000

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