

Features

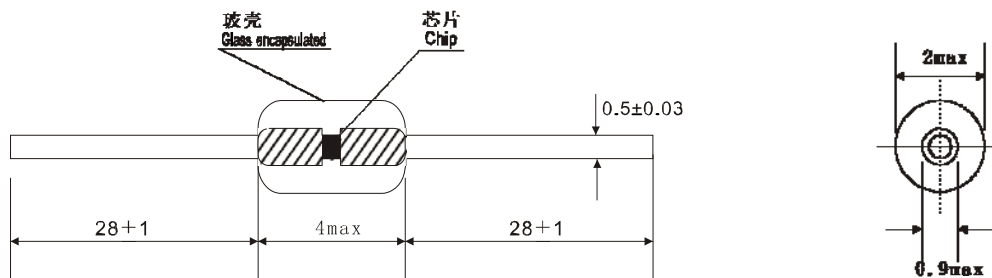
1. LPTC series in the form of axial glass encapsulated form.
2. As the construction material is mainly semiconductor monocrystalline silicon, also called silicon thermistor.
3. Resistance increases with the temperature rises in linearity, also called linear PTC thermistor.
4. Dissipation factor: 2.5~5mW/°C
5. Maximum operating current: $I_{opr}=1.0mA$
6. Stability: annual diversification rate $\leq 0.01^{\circ}C$ /per year.
7. Temperature coefficient: $\alpha_{25/50} \geq 0.7\%/^{\circ}C$
8. Rated power: 10mW
9. Operating temperature range: $-50 \sim +150^{\circ}C$
10. Small dimension, tightness, convenient for automatic installation.
11. Glass encapsulated, can operate in high temperature and moisture environment.



Application

1. Automobile temperature inspection and control.
2. Home appliance temperature inspection and compensation.
3. Precision circuit and crystal oscillator temperature compensation.
4. Micro motor timing control.
5. Medical equipment temperature inspection and control.

Outlook and Dimension (Unit: mm)

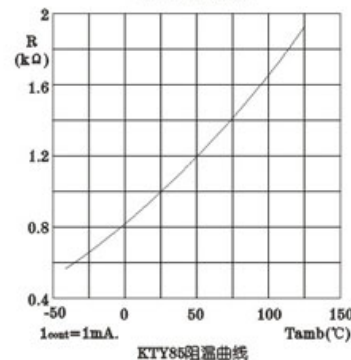
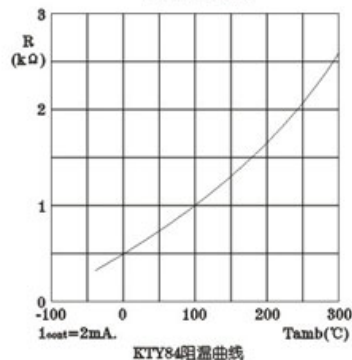
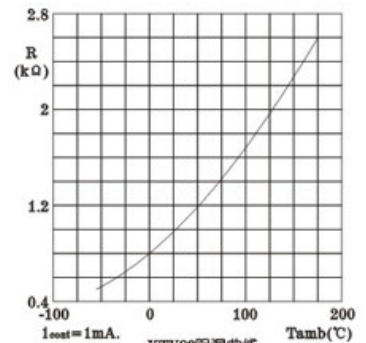
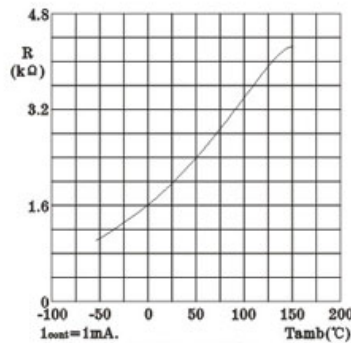
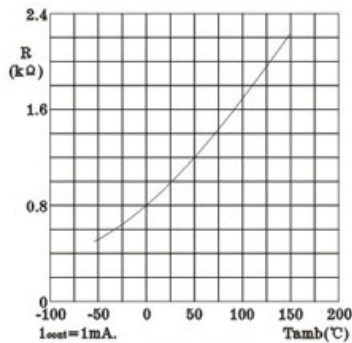


WMZ58A serials linear ptc thermistor

Note: Resistance tolerance at 25 °C can be $\pm 1\%$, $\pm 2\%$, $\pm 3\%$, $\pm 5\%$.

Code	Resistance @25°C		Tolerance (±%)	Maximum operating current I_{max} (mA)	Substitute NXP KTY Serials
	(R25)				
	Min	Max			
WMZ58A-83-200	200		±1%~±5%	1	
WMZ58A-83-200	500		±1%~±5%	1	
WMZ58A-83-600	600		±1%~±5%	1	
WMZ58A-83-1600	1600		±1%~±5%	1	
WMZ58A-83-2000	2000		±1%~±5%	1	
WMZ58A-83-110	990	1010	±1%	1	KTY81-110,KTY82-110,KTY83-110
WMZ58A-83-120	980	1020	±1%	1	KTY81-120,KTY82-120,KTY83-120
WMZ58A-83-121	980	1000	±1%	1	KTY81-121,KTY82-121,KTY83-121
WMZ58A-83-122	1000	1020	±1%	1	KTY81-122,KTY82-122,KTY83-122
WMZ58A-83-150	950	1050	±5%	1	KTY81-150,KTY82-150,KTY83-150
WMZ58A-83-151	950	1000	±2.5%	1	KTY81-151,KTY82-151,KTY83-151
WMZ58A-83-152	1000	1050	±2.5%	1	KTY81-152,KTY82-152,KTY83-152
WMZ58A-81-210	1980	2020	±1%	1	KTY81-210,KTY82-210,KTY83-210
WMZ58A-81-220	1960	2040	±2%	1	KTY81-220,KTY82-220,KTY83-220
WMZ58A-81-221	1960	2000	1%	1	KTY81-221,KTY82-221,KTY83-221
WMZ58A-81-222	2000	2040	±1%	1	KTY81-222,KTY82-222,KTY83-222
WMZ58A-81-250	1900	2100	±5%	1	KTY81-250,KTY82-250,KTY83-250
WMZ58A-81-251	1900	2000	±2.5%	1	KTY81-251,KTY82-251,KTY83-251
WMZ58A-83-252	2000	2100	±2.5%	1	KTY81-252,KTY82-252,KTY83-252
WMZ58A-84-130	970(at100°C)	1030(at100°C)	R100=±3%	1	KTY84-130
WMZ58A-84-150	950(at100°C)	1050(at100°C)	R100=±5%	1	KTY84-150
WMZ58A-84-151	950(at100°C)	1000(at100°C)	R100=±2.5%	1	KTY84-151
WMZ58A-84-152	975(at100°C)	1025(at100°C)	R100=±2.5%	1	KTY84-152

KTY阻温曲线图



WMZ58B serials linear ptc thermistor

Code	Resistance @25℃	Tolerance	T.C.R (x10 ⁻⁶ /K)	Power Rating
	(Ω) at25℃	R25		
WMZ58B-6R5-4000	6.5	0.1%,1%,3%,5%	4000	1/4W
WMZ58B-10-4500	10		4500	1/4W
WMZ58B-13R6-4000	13.6		4000	1/4W
WMZ58B-55.36-3900	50 at 0℃		3900	1/6W
	55.36 at 25℃			
WMZ58B-95-2000	95		2000PPM	1/4W
WMZ58B-100-2000	100		2000PPM	1/4W
WMZ58B-100-4000	100		4000PPM	1/6W
WMZ58B-105-2000	105		2000PPM	1/4W
WMZ58B-109.73-3900	100 at 0℃		3900PPM	1/6W
	109.73 at 25℃			
WMZ58B-145-3900	145		3900PPM	1/4W
WMZ58B-150-4000	150		4000PPM	1/6W
WMZ58B-185-2000	185		2000PPM	1/4W
WMZ58B-190-1500	190		1500PPM	1/4W
WMZ58B-195-1500	195		1500PPM	1/4W
WMZ58B-197-2000	197		2000PPM	1/4W
WMZ58B-200-2800	200		2800PPM	1/4W
WMZ58B-270-2800	270		2800PPM	1/4W
WMZ58B-365-2400	365		2400PPM	1/6W
WMZ58B-390-1500	390		1500PPM	1/4W
WMZ58B-390-2400	390		2400PPM	1/6W
WMZ58B-390-3000	390		3000PPM	1/6W
WMZ58B-395-2400	395		2400PPM	1/4W
WMZ58B-400-3500	400		3500PPM	1/4W
WMZ58B-820-4500	820		4500PPM	1/6W
WMZ58B-1100-3900	1000 at 0℃		3900PPM	1/6W
	1100 at 25℃			
WMZ58B-1000-2000	1000		2000PPM	1/4W
WMZ58B-1000-3000	1000		3000PPM	1/6W
WMZ58B-1000-3600	1000		3600PPM	1/6W
WMZ58B-2000-3000	2000		3000PPM	1/6W
WMZ58B-2000-4500	2000		4500PPM	1/8W
WMZ58B-3000-3000	3000		3000PPM	1/4W
WMZ58B-3000-4000	3000		4000PPM	1/8W
WMZ58B-3600-1500	3600		1500PPM	1/4W
WMZ58B-5000-3000	5000		3000PPM	1/6W
WMZ58B-10000-1500	10000		1500PPM	1/4W
WMZ58B-10000-2000	10000		2000PPM	1/6W
WMZ58B-20000-2000	20000		2000PPM	1/4W
WMZ58B-20000-3000	20000	3000PPM	1/4W	
WMZ58B-50000-2000	50000	2000PPM	1/4W	

