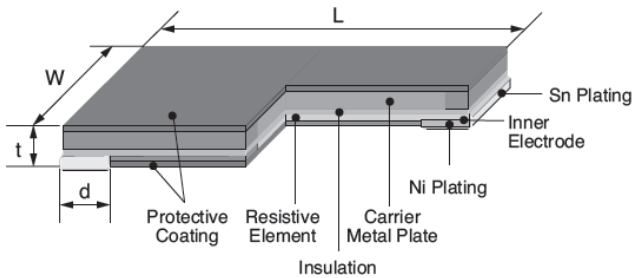


Type TLRH3AP- 4W & 5W current sense resistor

1. General

- Ultra low TCR: ± 50 & ± 75 ppm/ $^{\circ}$ C
- Carrier metal plate inside, resistor of high radiation of heat structure
- Product with lead-free terminations meet EU RoHS requirements

2. Dimensions



Size Code	L (mm)	W (mm)	d (mm)	t
TLRH3AP (2512)	6.3 \pm 0.2	3.2 \pm 0.2	1.8 \pm 0.2	5.0 \pm 0.2
			1.3 \pm 0.2	

3. Type Designations*

TLRH	3AP	T	TE	33L0	F
Type	Size	Termination	Packaging	Nominal Resistance	Tolerance
	4W 5W	T: Sn	TE:7" embossed plastic (2,000 pieces/reel)	5L00:5m Ω 10L0:10m Ω R100:100m Ω	F: $\pm 1\%$

4. Ratings

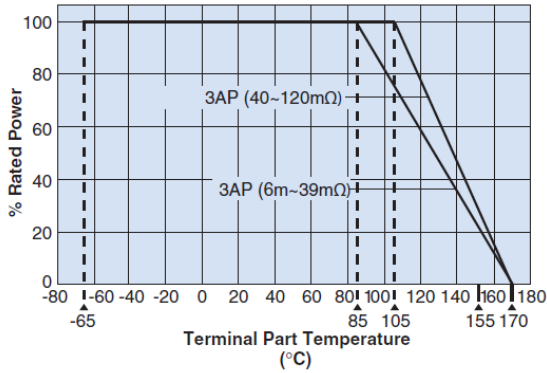
Part Designation	Power Rating	T.C.R. (ppm/ $^{\circ}$ C) Max.	Nominal Resistance (Ω) E-12	Resistance Tolerance	Operating Temperature Range	Rated Terminal Part Temperature
TLRH3AP	4W	± 50	40m, 47m, 50m, 56m ~ 120m	F: $\pm 1\%$	-65 $^{\circ}$ C to + 170 $^{\circ}$ C	+105 $^{\circ}$ C
			18m, 20m, 22m, 25m ~ 39m			+85 $^{\circ}$ C
	5W	± 75	6m, 7m, 8m, 9m, 10m, 12m			

*Please note: KOA's Part Numbers Do Not Contain and Space or Hyphens.

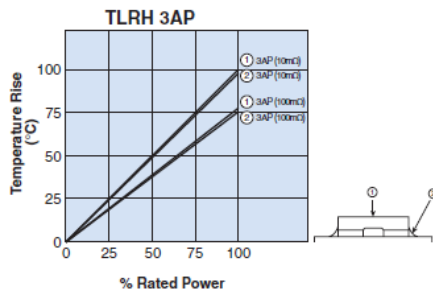
5. Power Derating Curve

For resistors operated at a terminal part temperature of described for each size or above, a power rating shall be derated in accordance with the derating curve. Please contact KOA in regards to the derating curve based on the terminal part temperature.

Derating Curve



6. Temperature Rise



Regarding the temperature rise, the value of the temperature varies per conditions and board for use since the temperature is measured under our measuring conditions. Please contact KOA prior to use.

*Please note: KOA's Part Numbers Do Not Contain and Space or Hyphens.