TO-263 35W SMD Power Resistors

SMD High power resistor, thick film with packaged TO 263. applicaions are for switching power supply and Snubbers circuit, automated machine controller, RF power amplifier, low energy pulse loading , UPS, voltage regulation ,bleeder resistor.

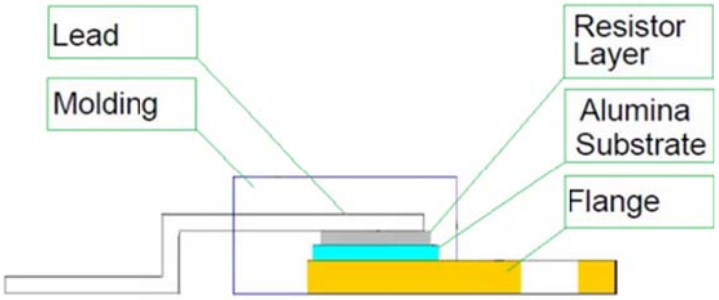
***Features* :**

- 35 watts at 25°C case temperature heat sink mounted.
- TO-263 style power package.
- Molded case for protection and easy to mount.
- Resistor is electrically isolated from metal tab.
- Products with Pb-free Terminations and RoHS compliant.

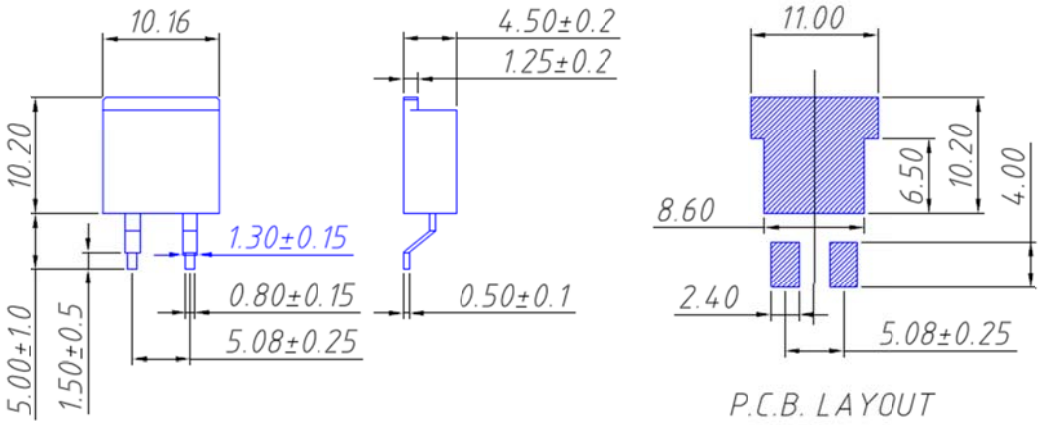
***Applications* :**

- Switching Power Supplies
- Snubbers Circuits
- Automated Machine Controller
- RF Power Amplifiers
- Low Energy Pulse Loading
- UPS
- Voltage Regulation
- Bleeder Resistors

Construction:



Dimensions : ***(Unit:mm)***



Not marked tolerance: ±0.30mm

Order Information:

L-	KLS6-	RTD	35-	10R	-J	3	D	G

RoHS	SMD Thick	Power (W)	Resistance (Ω)		Tolerance (%)		Case		Package		TCR (PPM/℃)	
	Film	35W	0R20	0.2Ω	F	±1%	3	TO-263	D	Tube	0	No Specified
	Power		1R00	1Ω	J	±5%			R	REEL	E	±100
	Resistors		10R0	10Ω	K	±10%					F	±200
			100R	100Ω							G	±300
			1KR0	1000Ω								

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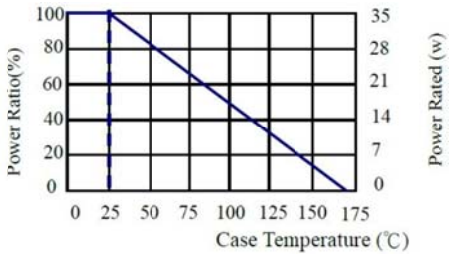
Electrical Characteristics Specifications

- Resistance Range: 0.2Ω – 130KΩ
- Operating Voltage: 350V Max.
- Dielectric Strength: 1800VAC
- Insulation Resistance: 10GΩ min.
- Operating Temperature: -55°C to +125°C

Derating Curve:



Environmental Characteristics

TEST ITEMS	SPECIFCATIONS	TEST METHODS(5729-2003)
Temperature Coefficient of Resistance (T.C.R.)	As Spec.	Referenced to 25°C, ΔR taken at +105°C
Short Time Overload	ΔR≤± (0.5%R+0.05Ω)	1.5 times of rated wattage for 5 sec.
INSULATION RESISTANCE	10GΩ MIN	500V 5 sec.
Voltage Withstanding	NO EVIDENCE OF FLASHOVER MECHANICAL AMAGE，ARCING OF INSULATION BREAKDOWN	1800VAC 1 min.
Damp Heat with Load	ΔR≤± (1%R_O+0.1Ω)	40±2°C, 93±3% R.H., RCWV for 240 hrs
Solderability	90% min. coverage	245±5°C at 3 sec.
Vibration, High Frequency	ΔR≤± (0.5%R+0.05Ω)	10~500Hz,0.75mm for 6H
Terminal Strength	ΔR≤±0.2%R	20N 5 sec.
Load Life	ΔR≤± (1%R+0.1Ω)	1,000 hours at rated power
Thermal Shock	ΔR≤± (5%R+0.1Ω)	-55°C~175°C for 30 min. 5 cycles