

## Pure Silver / Carbon

# AUDIO RESISTOR



### DESCRIPTION

The audio resistors LEFSON RESISTOR and LEFSON RESISTOR-D (dual) are very high performance pure silver / carbon audio resistors. They are made of a pure graphite resistive element and pure silver leads. Suitable for speaker crossover or Emitter/Source resistor of transistors in preamplifier/amplifier, the LEFSON RESISTOR and LEFSON RESISTOR-D are pushing up the limits of sound reproduction. The three ranges PREMIUM, SUPRA and ULTRA allow the user to choose the level of performance required. Near zero inductance and distortion, heatsinkable, mechanical earthing possibility, incredible neutrality, the LEFSON RESISTOR is the ultimate solution to improve any analog circuitry.

### VALUES

MODEL	RESISTANCE	Pmax		RESISTIVE ELEMENT	LEADS	END CAPS
		DC current	with heatsink DC current			
<b>SINGLE</b>						
PREMIUM	0R47 -> 1R5	4W	6W	SINGLE	∅0.8mm	STANDARD
PREMIUM	1R5 -> 220R	6W	10W	SINGLE	∅0.8mm	STANDARD
-	-	-	-	-	-	-
SUPRA	0R47 -> 1R5	4W	6W	SINGLE	2 x ∅0.8mm	ENHANCED
SUPRA	1R5 -> 220R	6W	10W	SINGLE	2 x ∅0.8mm	ENHANCED
-	-	-	-	-	-	-
ULTRA	0R33 -> 1R	6W	10W	DOUBLE	2 x ∅0.8mm 24K GOLD PLATED	ENHANCED
ULTRA	1R -> 100R	8W	15W	DOUBLE	2 x ∅0.8mm 24K GOLD PLATED	ENHANCED
<b>DUAL</b>						
D-PREMIUM	0R47 -> 1R5	4W	6W	SINGLE	∅0.8mm	STANDARD
D-PREMIUM	1R5 -> 220R	6W	10W	SINGLE	∅0.8mm	STANDARD
-	-	-	-	-	-	-
D-SUPRA	0R47 -> 1R5	4W	6W	SINGLE	2 x ∅0.8mm	ENHANCED
D-SUPRA	1R5 -> 220R	6W	10W	SINGLE	2 x ∅0.8mm	ENHANCED
-	-	-	-	-	-	-
D-ULTRA	0R33 -> 1R	6W	10W	DOUBLE	2 x ∅0.8mm 24K GOLD PLATED	ENHANCED
D-ULTRA	1R -> 100R	8W	15W	DOUBLE	2 x ∅0.8mm 24K GOLD PLATED	ENHANCED

### FEATURES

- PURE CARBON RESISTIVE ELEMENT
- PURE SILVER (99,9%) STRONG LEADS
- MULTILAYER 24K GOLD PLATING (ULTRA range)
- POWER RATED : 4W -> 15W
- EPOXY IMPREGNATED & HEATSINKABLE

### APPLICATIONS

- PASSIVE FILTER / CROSSOVER / ATTENUATOR
- AMPLIFIER / EMITTER-SOURCE RESISTOR
- AUDIOPHILE RESISTOR

### SPECIFICATIONS

RESISTOR RANGE	0R33 to 220R
POWER RATING (< 60°C)	4 to 15W
RESISTANCE TOLERANCE	typically ±5%
TEMPERATURE RANGE	-50 to +85°C

### CONSTRUCTION

ENCAPSULATION	ABS case with epoxy resin seal
TERMINATIONS	Pure Silver / Multilayer 24K Gold plating
COLOUR	White
MARKING	Black
EPOXY RESIN SEAL	Black

### NOTES

The power rating is expressed with two values (example 6/10W). The first is maximum power rating without any heatsink. The second concerns maximum power rating when the LEFSON RESISTOR is fixed on a heatsink or to a reliable case. Regarding this purpose, using thermal paste is recommended.

All those power values were measured with direct current. When AC operating (audio), maximum power rating is much greater. During our post-manufacturing tests period, the LEFSON RESISTOR is stressed with current peaks, up to 25/30W.

Always make sure the electrical power between resistor leads never exceeds the corresponding rated values.

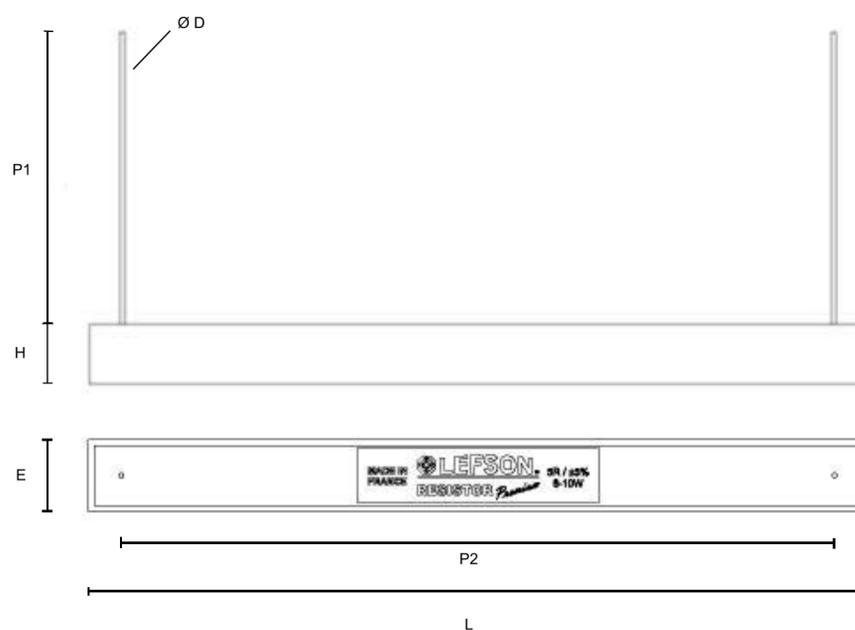
Due to handmade assembling, all dimensions can be subject to very small tolerance in measurements. In the interest of development of the RESISTOR characteristics, drawing may change without notice.

## DIMENSIONS

PREMIUM / SUPRA  
D-PREMIUM / D-SUPRA

	PREMIUM	SUPRA
<b>H</b>	10	10
<b>E</b>	12	12
<b>L *</b>	130	130
<b>P1</b>	63	63
<b>P2 *</b>	109	109
<b>Ø D</b>	0,8	1,6

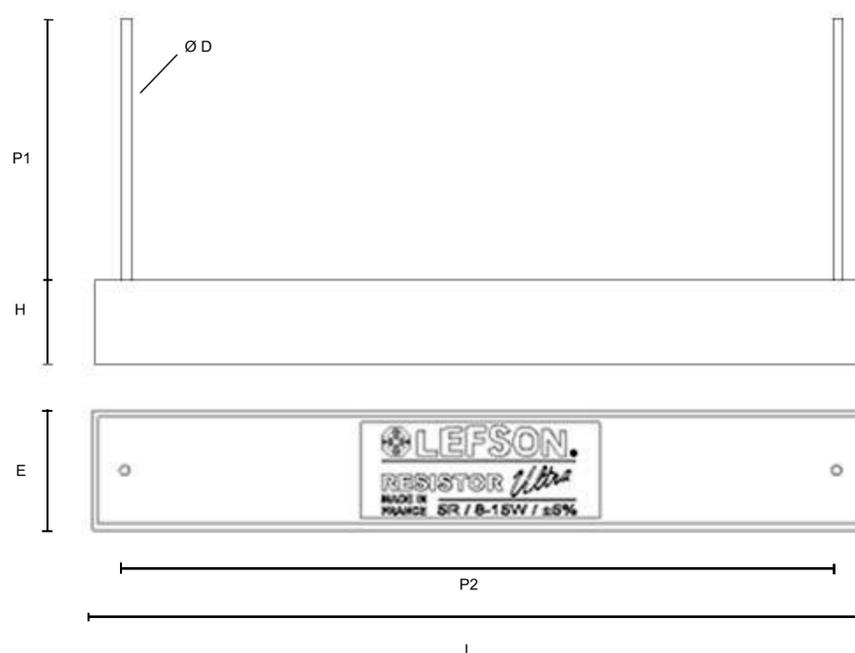
(mm)



ULTRA  
D-ULTRA

<b>H</b>	14
<b>E</b>	20
<b>L *</b>	130
<b>P1</b>	46
<b>P2 *</b>	107
<b>Ø D</b>	1,6

(mm)



\* This dimension can be smaller, depending of the ohmic value of the RESISTOR.

Note : in the interest of the development of the component, characteristics and/ or drawing may change without notice.

LEFSON RESISTOR and RESISTOR-D have the the same package dimensions. The only thing that changes is the middle common point of the RESISTOR-D. Its distance between the two other leads depends of the ohmic values of the dual resistor.

