Inductors

07

Cooking Inductors

224

COOKING INDUCTORS

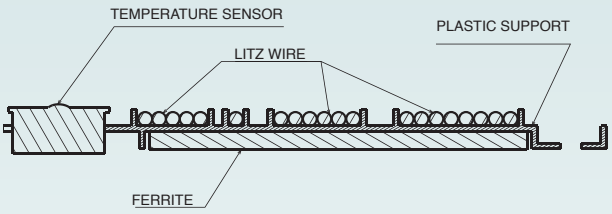
FEATURES	
DIAMETER	from ø145 to ø210 (other shape on demand)
POWER	from 1200W to 3000W (on demand)
INDUCTANCE AND RESISTANCE	specific values available on demand

RoHS

Plastic support (base)

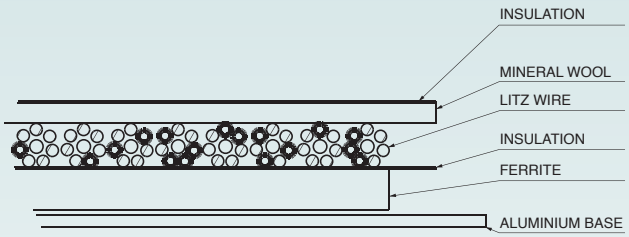
Aluminium support (base)

DRAWING



Power, shape, dimensions and coil can be cutomizable.

DRAWING



Power, shape, dimensions and coil can be cutomizable.

EXAMPLE OF ALUMINIUM SUPPORT VERSION WITH Ø 210 MM

PERFORMANCES

	Max Temperature
Insulating layers	300°C
Copper esame	220°C
Ferrite Curie temperature	450°C
Glue	250°C
Temperature sensor	250°C
Connection wires	250°C

	Ø 210
P Peak [W]	2500
P Max [W]	2500
P Continuous [W]	2000
Rac @ 25°C [mOhm]	110 +/- 20
L@10kHz [uH]	80 +/- 15%
Total Thickness [mm]	12.5 +/- 0.5

COMPONENTS

Aluminium Plate
Thickness: 1.2 mm

Ferrites

	Units	Ø 210
Number	[nr]	on demand
Size (LxWxH)	[mm]	on demand
Min Bsat @100°C	[mT]	390
Min. Permeability		2000
Min. Curie Temperature	[°C]	450

Insulation Layers

	Units	Ø 210
Material		Mica
Thickness	[mm]	0.2

Wire to glass insulation layer

	Units	Ø 210
Material		Mineral wool
Disc diameter	[mm]	on demand
Hole diameter	[mm]	on demand
Mineral wool thickness	[mm]	2.0

NTC sensor

	Ø 210
Beta Value (25/85)	on demand
Max Temperature	250°C

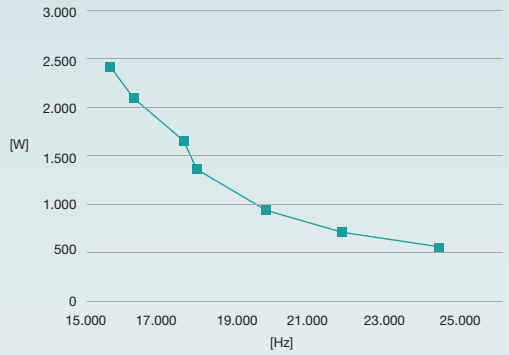
Litz Wire

	Units	Ø 210
Insulation	°C	220°C
N° wires		32
Wires diameter	[mm]	0.4
Total area	[mmq]	4.019

Mineral Wool

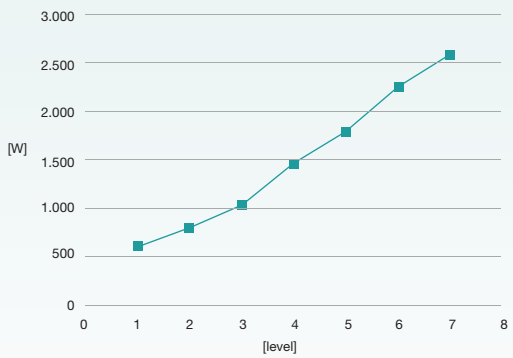
	Units	Ø 210
Max temperature	°C	250°C
Mineral Wool thickness	[mm]	2.0

Inductor power



Power measured on the inductor

Plug Power



Power measured on the plug