



Power Line Modem Transformers

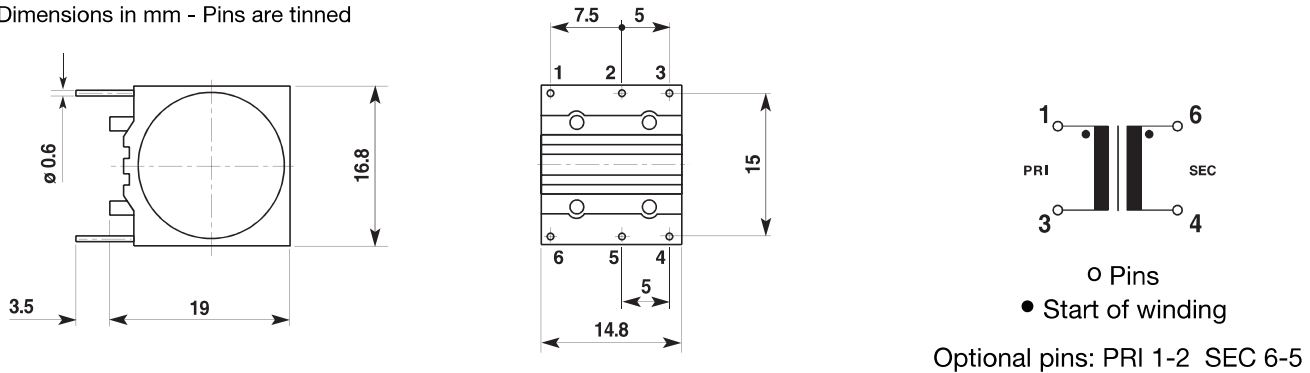
TYPES
63V19 21 0
63V19 21 3

These transformers are suitable to interface the power line modem. They find a wide application wherever an high isolation resonant coupling is required.

63V19 21 00 - 63V19 21 01

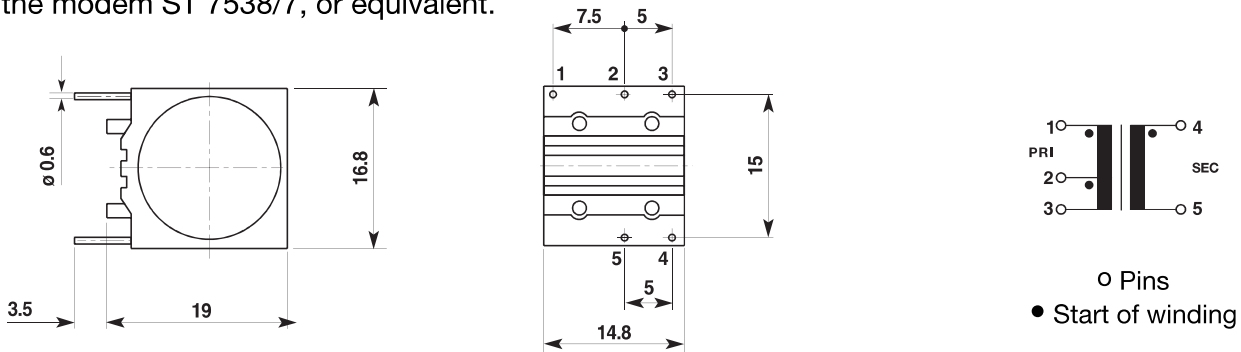
These types are made with high-permeability toroid core (ferrite), and are suitable to interface the modem ST 7538, or equivalent.

Dimensions in mm - Pins are tinned



63V19 21 30 - 63V19 21 31

These types are made with toroid core in molypermalloy powder (MPP), and are suitable to interface the modem ST 7538/7, or equivalent.



TYPES

Code	Turns ratio PRI/SEC ± 2%	Turns ratio tap (1-3/2-3) ± 2%	PRI inductance	PRI Leak inductance typical µH	Capacity PRI/SEC pF	Unloaded factor Q typical	Test voltage (2 sec) kV
63V19 21 00	2 : 1		≥2 mH	3	15		4
63V19 21 01	1 : 1		≥1 mH	3	15		4
63V19 21 30	5 : 1	5 : 1	207 µH	15		30	4
63V19 21 31	3.28 : 1	3.28 : 1	265 µH	8		35	4

Turns ratio: first digit refers to the primary.

Table shows the standard types. Other types can be supplied according to customer's specifications.

Technical Data

Primary inductance: at 20°C and 10 kHz, 0.1 mA
 Primary Inductance tolerance: ±15% for 63V19 21 30 and 63V19 21 31 types (MPP core)
 Primary leakage inductance: at 20°C and 100 kHz
 Unloaded Q factor: at 20°C and 100 kHz
 Approx. weight: 5 g

The transformers are designed and tested in accordance with EN 138100; EN 60938
 The cases are of flame-retardant plastic material in accordance with UL 94V-0