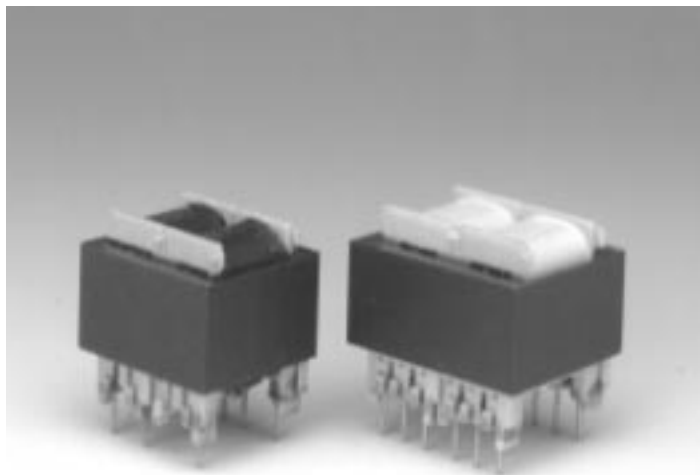


Low leakage flux (TS type)



◆ Features

- Low leakage flux (with twin coils)
- Reduction of inrush current
- Shrunk electrolytic capacitor
- Meeting the new standard of harmonic current at low cost

◆ Applications

TV, CRT

◆ Performance

Model Name	Rated Current	Inductance	DC Resistance	Weight	Options			
					With Case (Model Name Suffix:2)	Pin Cut (Model Name Suffix:3)	Pin Cut with Case (Model Name Suffix:4)	Color of Outer Tape
TS10L1	1.3A	15.5mH	1.1Ω	160g	—	○	—	Green
TS15L1	2.0A	12.7mH	0.7Ω	240g	○	○	○	Green
TS20L1	2.6A	8.5mH	0.45Ω	270g	○	○	○	Green
TS10H1	0.6A	88.0mH	5.6Ω	160g	—	○	—	Yellow
TS15H1	0.9A	56.0mH	2.8Ω	240g	○	○	○	Yellow
TS20H1	1.2A	47.0mH	2.5Ω	270g	○	○	○	Yellow

Note: Resistance values are reference data.

◆ Common Specifications

Item	Specifications
Operating temperature range	-20°C +20°C (incl. inherent temperature rise)
Insulation Types	E-type Insulation
Withstand Voltage	500V AC/1min. max.
Insulation Resistance	100MΩmin. (measured with 500V DC)
Inherent Temperature Rise	60°C max.

◆ Practical Example of Model Name

TSXXYZ, SSXXYZ

XX Output/10W

Y Input voltage (L:100V system; H:200V system)

Z Specifications

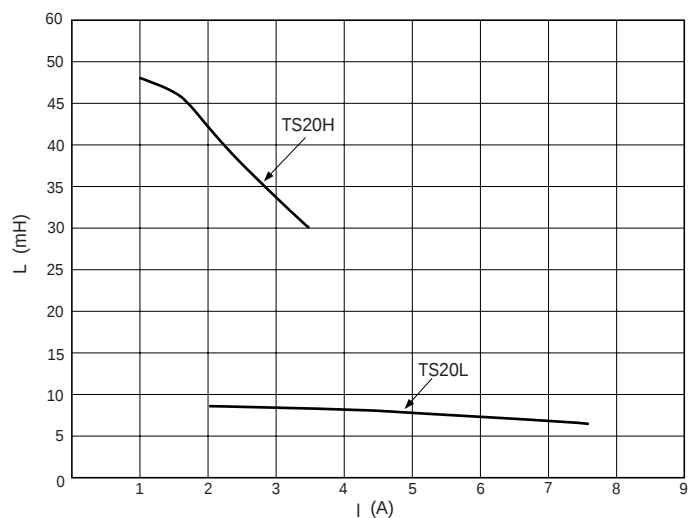
1: Standard product (without case and pin cut)

2 : With case

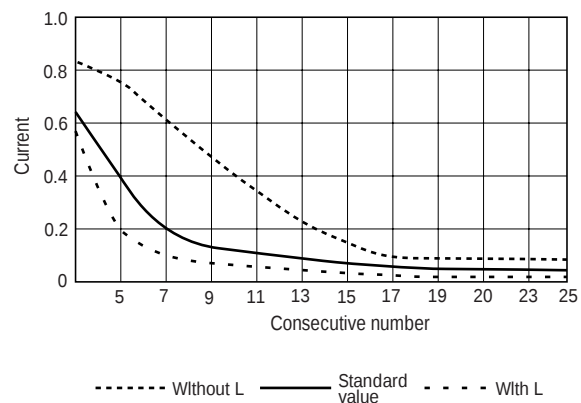
3 : Pin cut (TS10 ...⑥ TS15, 20 ...⑩)

4 : With case and pin cut

◆ Outstanding DC Properties (Example)



◆ Harmonic Current during Reactor Operation (Example)

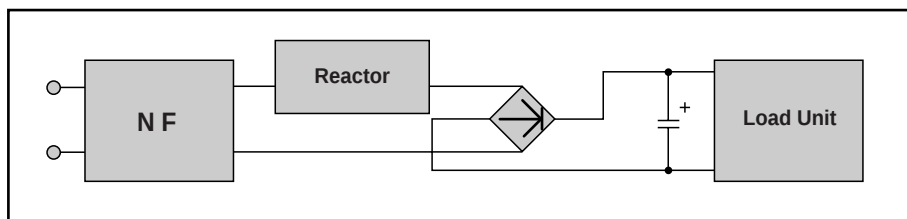


Operating Conditions

Harmonic current when the TS-20H has been inserted into the capacitor input rectifier circuit

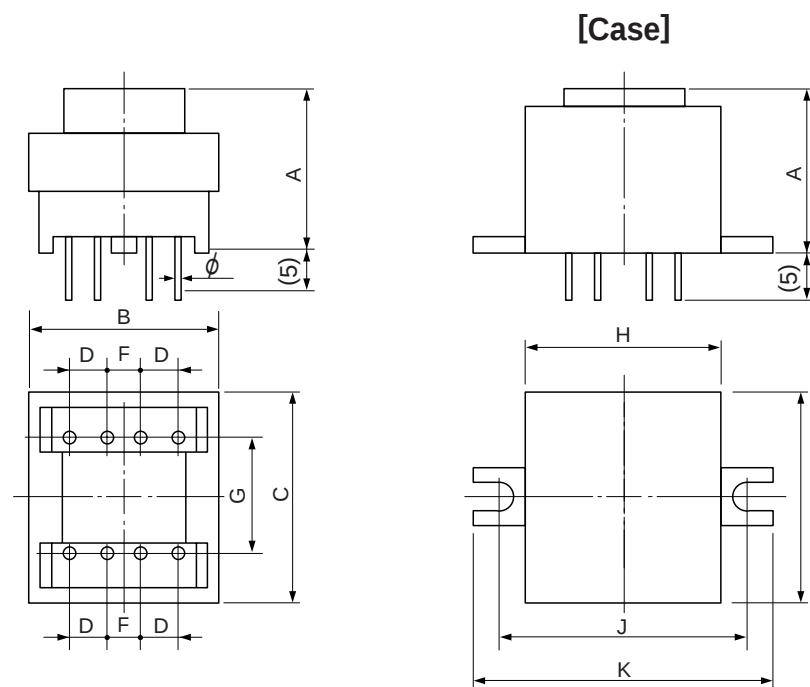
- Input voltage : 230V AC
- Input power : 200W
- Input current : 1.14A
- Power factor : 0.76

Circuit Used

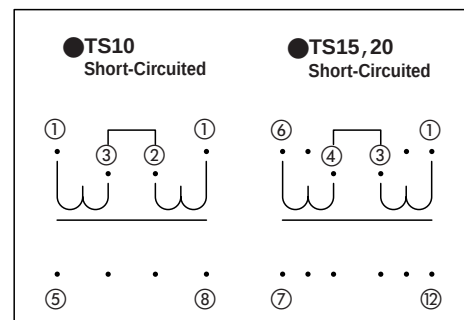


Low leakage flux (TS type)

◆ Dimensions In mm (not to scale)



◆ Connection Diagram-Pin Array Diagram (Views from Back)



(Unit:mm)

Model Name	A	B	C	D	E	F	G	H	I	J	K	Φ	Number of Pins
TS10L, H	40.0	37.0	32.0	9.0		6.0	21.0					1.0	4×4
TS15L, H	41.0	43.0	36.0	5.5		7.0	25.0	45.0	38.0	54.0	66.0	1.0	6×6
TS20L, H	37.0	50.0	43.0	6.0		8.5	30.0	51.0	44.0	59.0	71.0	1.0	6×6

◆ Comparison of Leakage Flux between SS Series and TS Series

