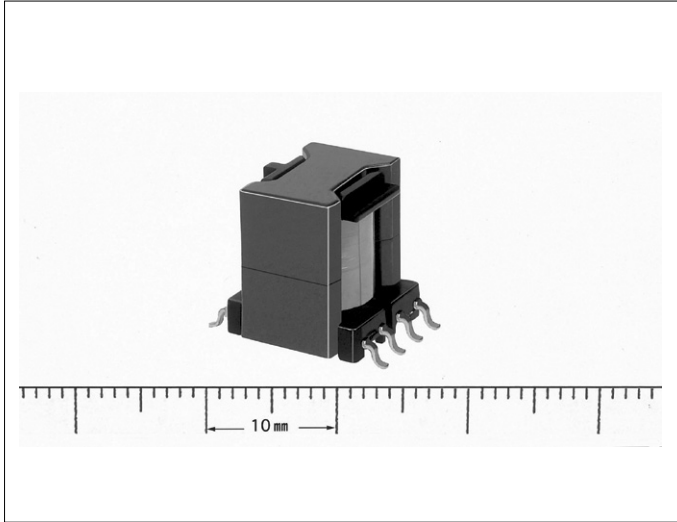


Using breakthrough technology,
we aim for products that will create new markets.

New Product News

Expansion of product lineup

Contribute to high density mounting and multi-channel of DSLAM



Interface Transformer

ADSL Interface Transformer

Industry/Field: Information, Communication

• Development Target:

High performance, small size and space saving type transformer for multi-channel DSLAM in which high density mounting required

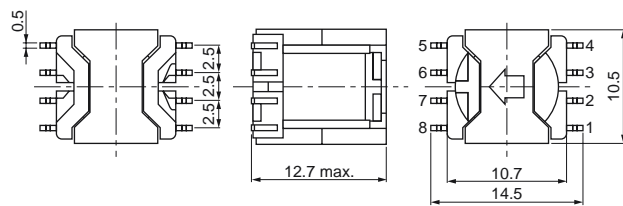
• Features:

- ① Small size, Space saving
- ② Low THD
- ③ Surface mount and Lead-free type

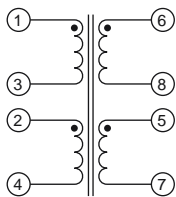
• Number of industrial property rights: 1 (pending)

• Construction:

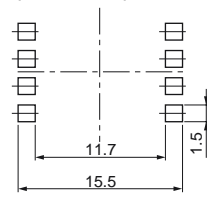
■ Construction



■ Connection Schematics



■ Recommended Land Pattern in mm (not to scale)



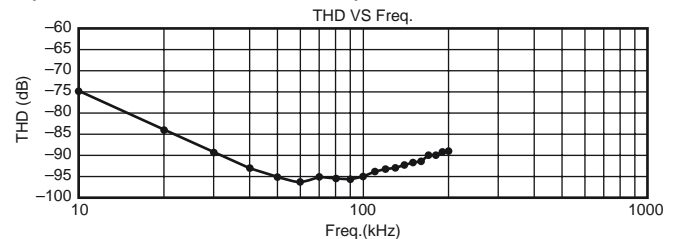
• Characteristics/specifications:

■ Examples

Part Number	Package	Turns Ratio (Line : Chip)	Inductance mH + / - 10% (10kHz, 0.1V) (1-4) with 2-3 shorted	Leakage Inductance μ H (100kHz, 1.0V) (1-4) with 2-3, 6-7, 5-8 shorted	DC Resistance (ohm) (1-4) (5-8)	Isolation Voltage (Vrms)
ZTJ0182	SMD	1.0:1.0	0.85	4.66	2.15 4.38	1500

Part Number	Load Resistance (ohm)	THD dB (10kHz) (100kHz)	Longitudinal Balance dB (1MHz)	Insertion Loss dB (100kHz)
ZTJ0182	100	-74.88 -95.03	-45.96	-0.25

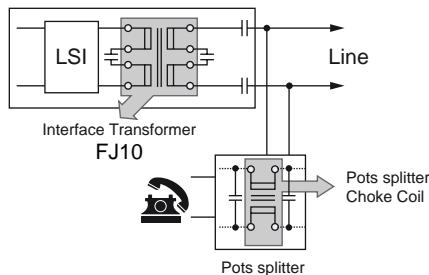
■ THD VS Frequency Characteristics (THD : Total Harmonic distortion)



• Applications/usage examples:

- DSLAM
- ADSL Modem

DSLAM or ADSL Modem



• Explanation of part numbers:

1	2	3	4	5	6	7	8	9	10	11	12
E	T	J	S	1	0	Z	B	1	1	A	F
Product Code			Classification	Size	Type	Bobbin	Design NO.	Option	Packaging		