

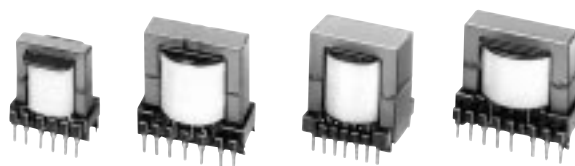
Switching Transformers

Type: **Case Type**
Type: **Standard Type**

Japan
Singapore
Slovakia
Hongkong
Indonesia



Case Type



Standard Type

Applied Safety Std.: Denki Yohin* UL, Europe's Class II
Industrial Property : Utility models 3 (pending)

■ Features

(Case Type)

- Easy mounting

(Standard Type)

- Small mounting area
- The insulation between windings is easy by wide winding width
- UL1411 recognized types are available

■ Recommended Applications

- TV, VTR
- Stereo, Car-Stereo
- Copy Machine, FAX Machine, Power Supply Unit

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	T	S			A	A					
Product Code			Size		Type	Bobbin	Design No.		Safety Std.	Option	Packaging

* Denki Yohin stands for the safety regulations under The Electrical Appliance and Material Control Law.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

■ Performance Characteristics

● Applicable Safety Standards and Maximum Output

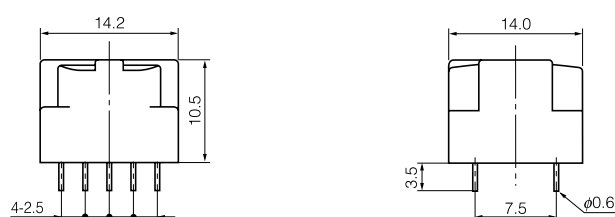
Characteristics Type Size		Standards			Max. Output(W)			
		Denki Yohin*	Europe's Class II		Flyback Type (FB)		Feedforward Type (FF)	
		UL/CSA	IEC65	IEC950	20 kHz	100 kHz	20 kHz	100 kHz
Case Type	FE13C-10	—	—	—	1.5	3	—	—
	FE27C-14	○	○	—	16	40	19	50
	FE28C-16	○	○	—	23	50	27	60
Standard Type	FE16-10A	○	—	—	3	7	—	—
	FE16-10B	○	—	—	3	7	—	—
	FE19-10A	○	—	—	5	10	—	—
	FE19-10B	○	○	○	3	8	—	—
	FE22-10	○	—	—	6	13	—	—
	FE28-10	○	—	—	20	30	23	50
	FE28-14B	○	○	○	16	40	19	48
	FE28-16	○	○	○	16	40	19	48
	FE28-20	○	○	○	23	50	27	60
	FE29-12A	○	○	○	25	60	30	72
	FE29-18	○	○	○	25	60	30	72
	FE29-20	○	○	○	25	60	30	72
	FE33-14	○	○	—	40	90	48	115
	FE33-18	○	○	○	40	92	42	108
	FE35-16	○	○	○	40	100	48	120
	FE39-18	○	○	○	65	150	78	180
	FE42-18	○	○	○	100	224	120	268
	FE49-18	○	○	○	120	268	144	322
	FE49-22	○	○	○	112	245	135	300

Note: Values in the above table are for reference and will vary depending on ambient temperature, number of output circuits, switching frequency, input voltage range, output range and others.

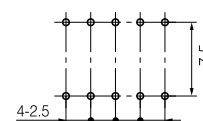
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■ Dimensions in mm (not to scale)

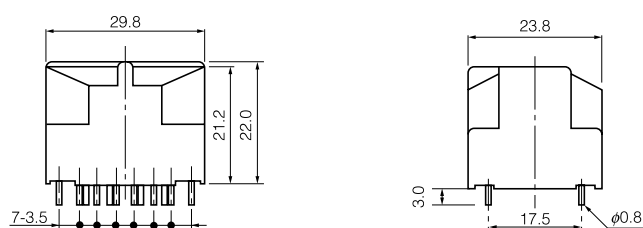
FE13C-10



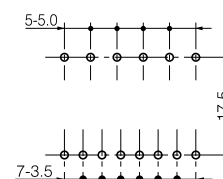
Recommended PWB piercing plan



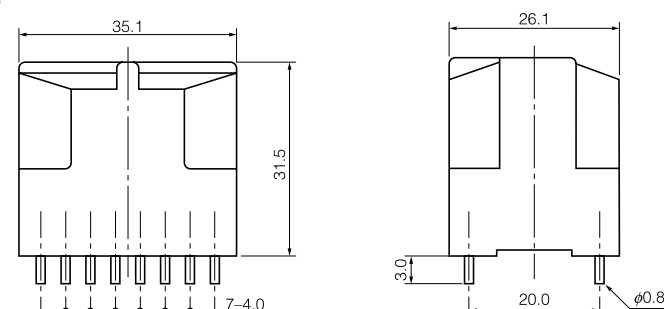
FE27C-14



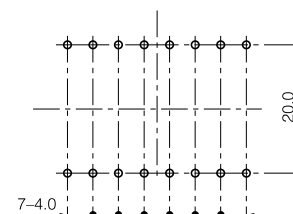
Recommended PWB piercing plan



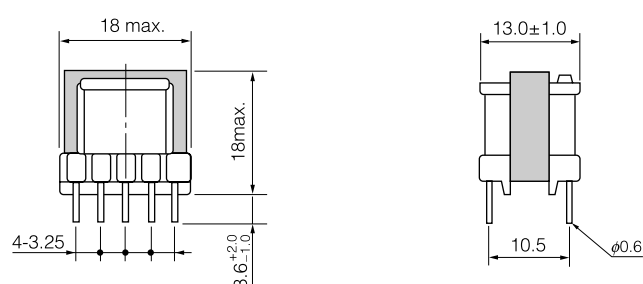
FE28C-16



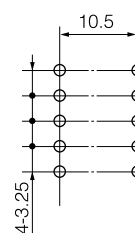
Recommended PWB piercing plan



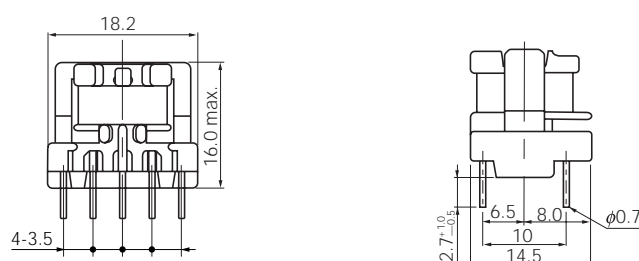
FE16-10A



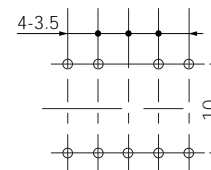
Recommended PWB piercing plan



FE16-10B

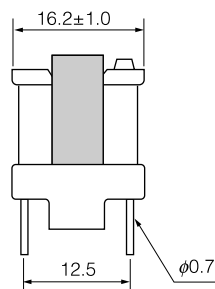
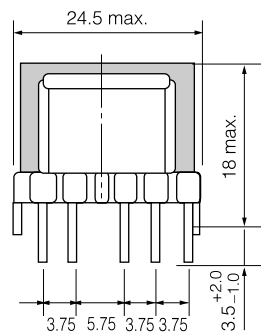


Recommended PWB piercing plan

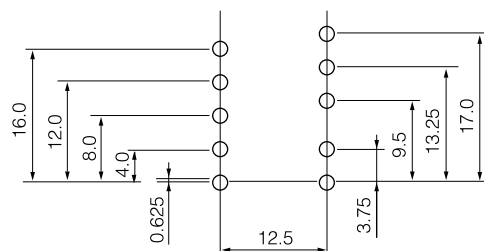


■ Dimensions in mm (not to scale)

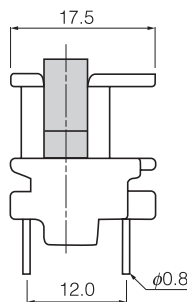
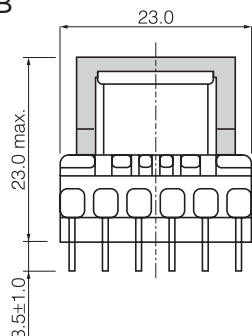
FE19-10A



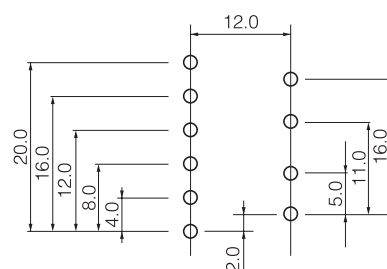
Recommended PWB piercing plan



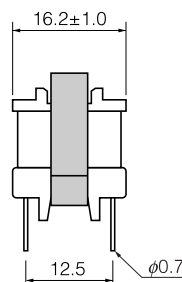
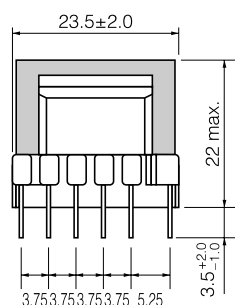
FE19-10B



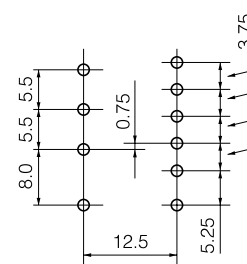
Recommended PWB piercing plan



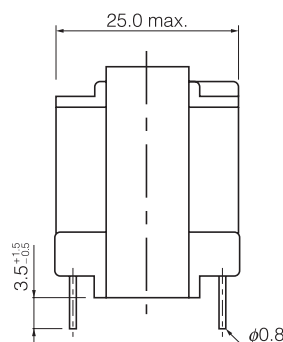
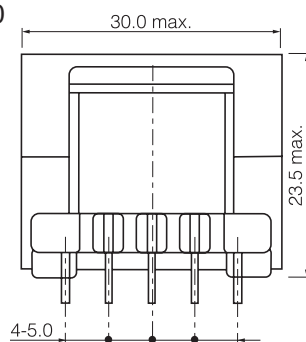
FE22-10



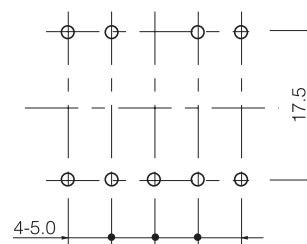
Recommended PWB piercing plan



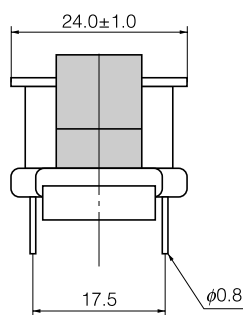
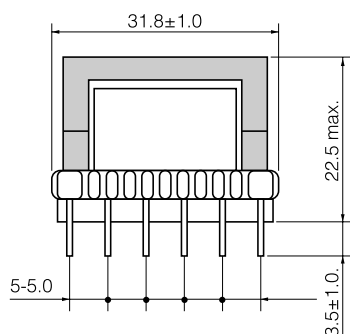
FE28-10



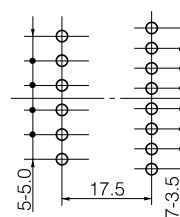
Recommended PWB piercing plan



FE28-14B



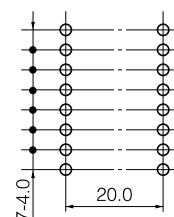
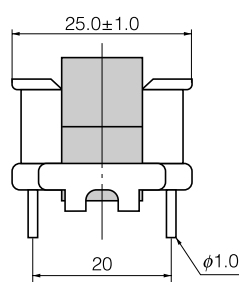
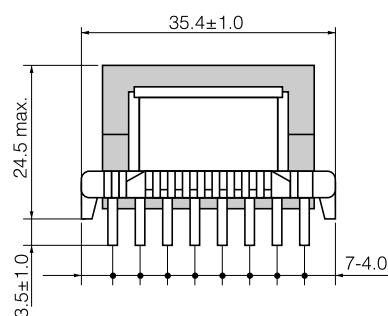
Recommended PWB piercing plan



■ Dimensions in mm (not to scale)

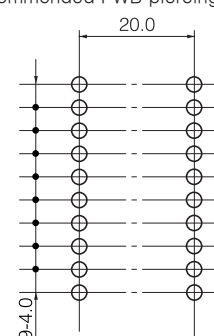
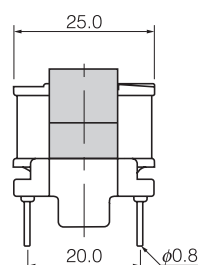
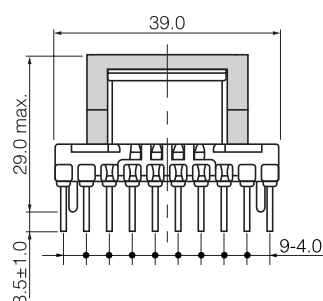
FE28-16

Recommended PWB piercing plan



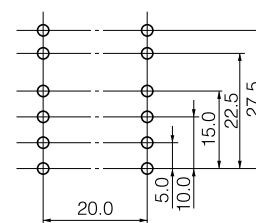
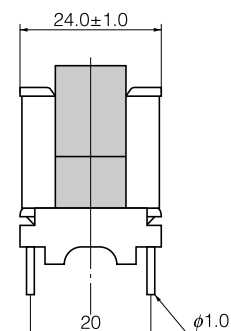
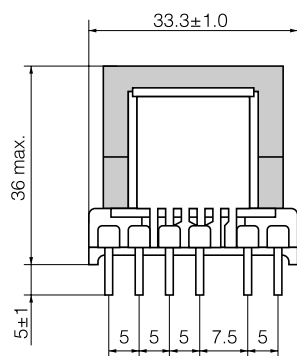
FE28-20

Recommended PWB piercing plan



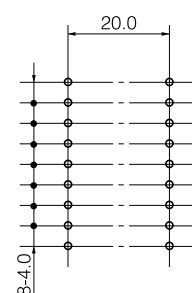
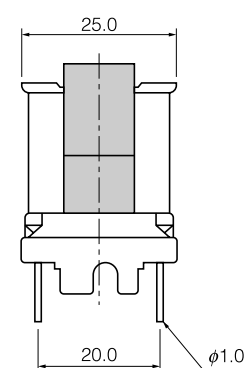
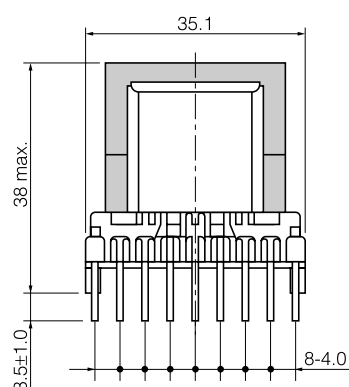
FE29-12A

Recommended PWB piercing plan



FE29-18

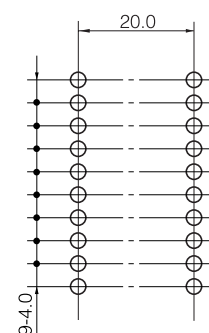
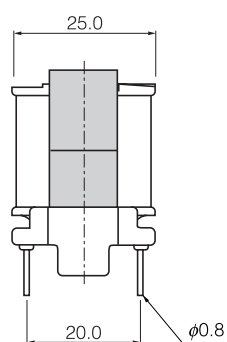
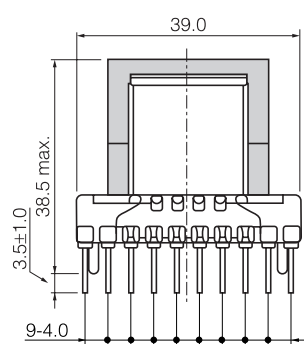
Recommended PWB piercing plan



■ Dimensions in mm (not to scale)

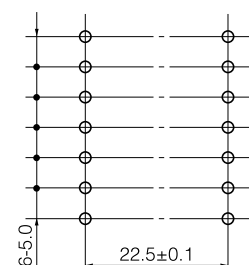
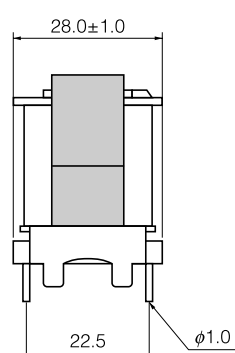
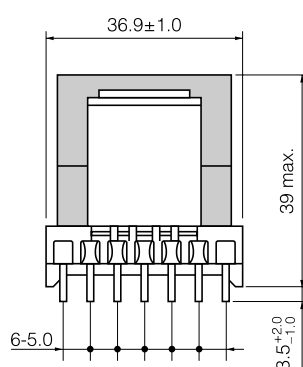
FE29-20

Recommended PWB piercing plan



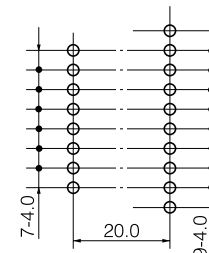
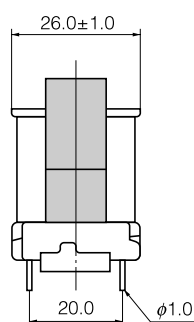
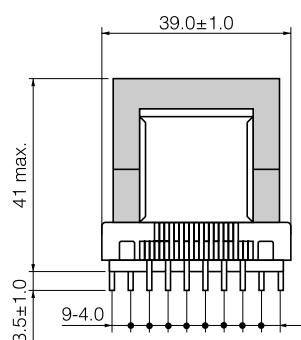
FE33-14

Recommended PWB piercing plan



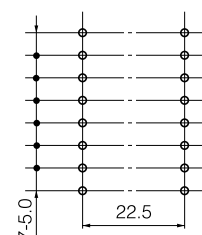
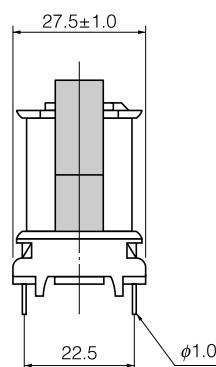
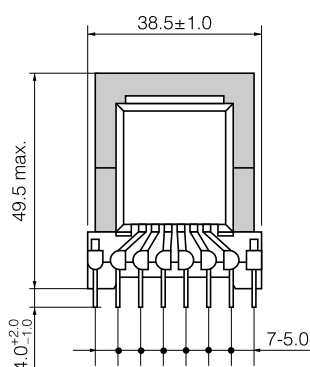
FE33-18

Recommended PWB piercing plan



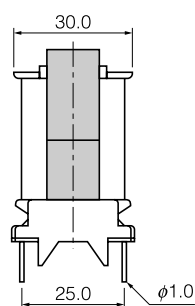
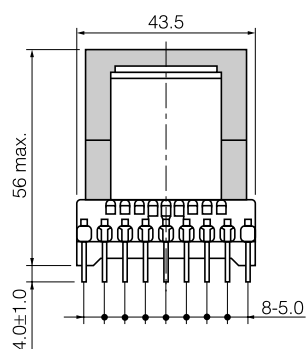
FE35-16

Recommended PWB piercing plan

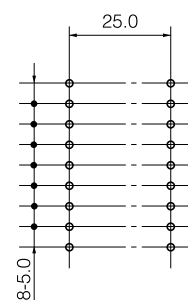


■ Dimensions in mm (not to scale)

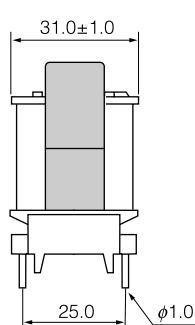
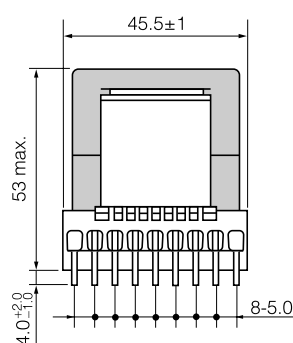
FE39-18



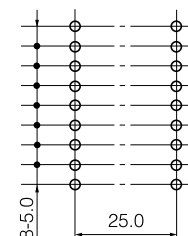
Recommended PWB piercing plan



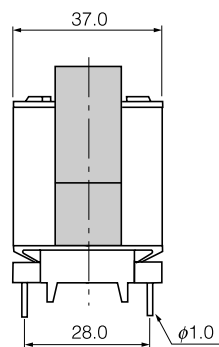
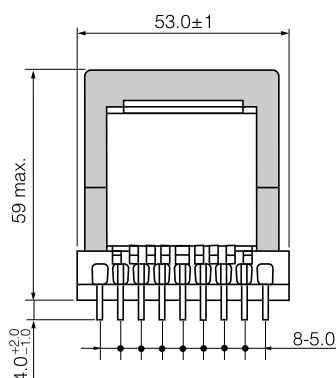
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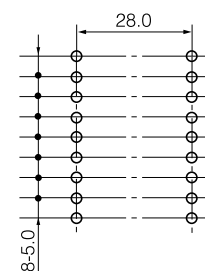
Recommended PWB piercing plan



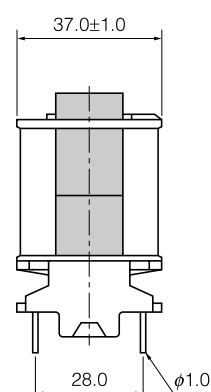
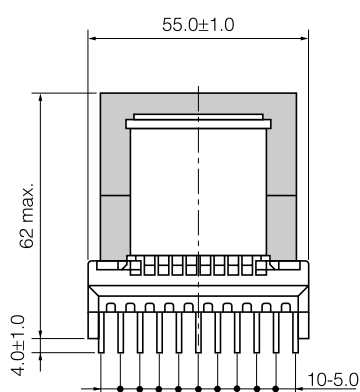
FE49-18



Recommended PWB piercing plan



FE49-22



Recommended PWB piercing plan

