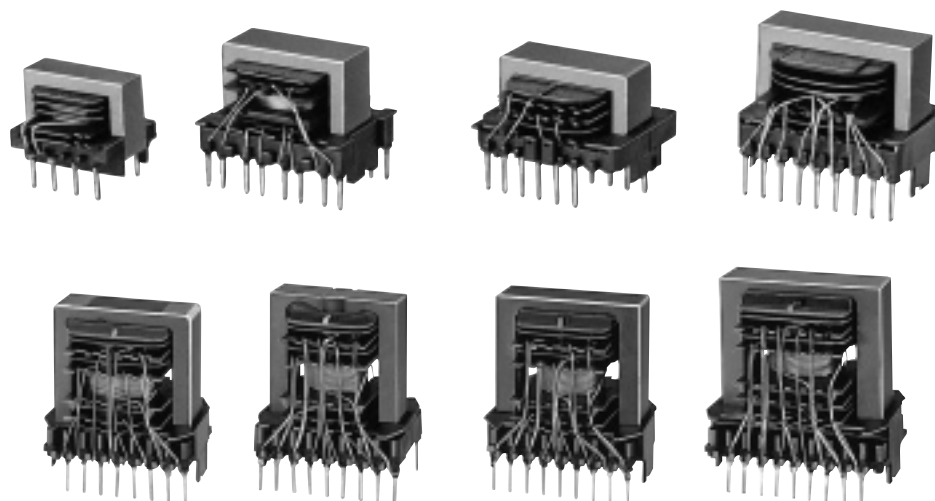


### Multi Slots Switching Transformers

Type: **MS**

Japan  
Singapore  
Slovakia  
Hongkong  
Indonesia



This transformer is suitable for various applications including VCR.

Applied Safety Std.: Denki Yohin\*, UL, CSA, IEC

Industrial Property : Patent 17 (pending)

#### ■ Features

- High reliability and low noise by structure of new developed multi slots bobbin
- High coil coupling and stabilized output voltage regulation by original winding method

#### ■ Recommended Applications

- VCA, LD, DVD, STB
- Inverter air conditioner
- General inverter, Machine tool
- AC adaptor
- TV, Display

#### ■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	T	S			K						
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.

### ■ Performance Characteristics

#### ● Applicable Safety Standards and Maximum Output

Size	Characteristics	Safety Standards			Max. Output (W)	
		Denki Yohin*	UL, CSA	Europe's Class II IEC65	(f-40 kHz) Ringing Choke type	(f-100 kHz) Flyback type
24MS-9		○	○	○	10	18
28MS-16		○	○	—	15	30
28MS-14		○	○	—	15	30
33MS-18		○	○	○	25	40
35MS-16		○	○	○	60	90
39MS-18		○	○	○	100	140
44MS-18		○	○	○	140	180
49MS-22		○	○	○	170	220

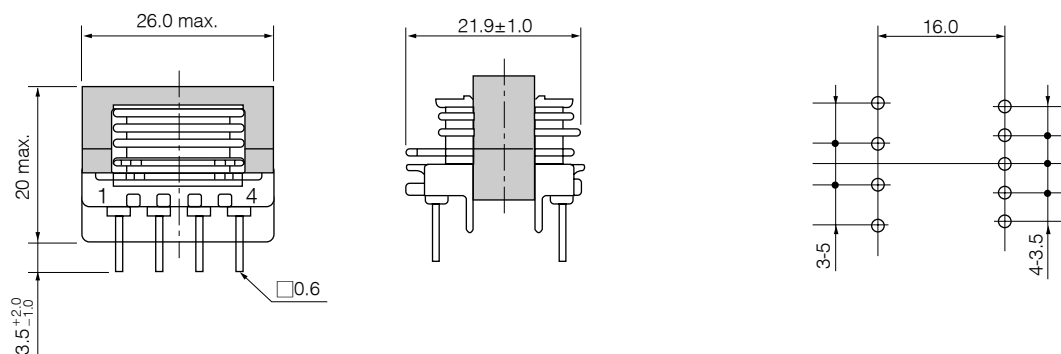
\* Denki Yohin stands for the safety regulations under The Electrical Appliance and Material Control Law.

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

### ■ Dimensions in mm (not to scale)

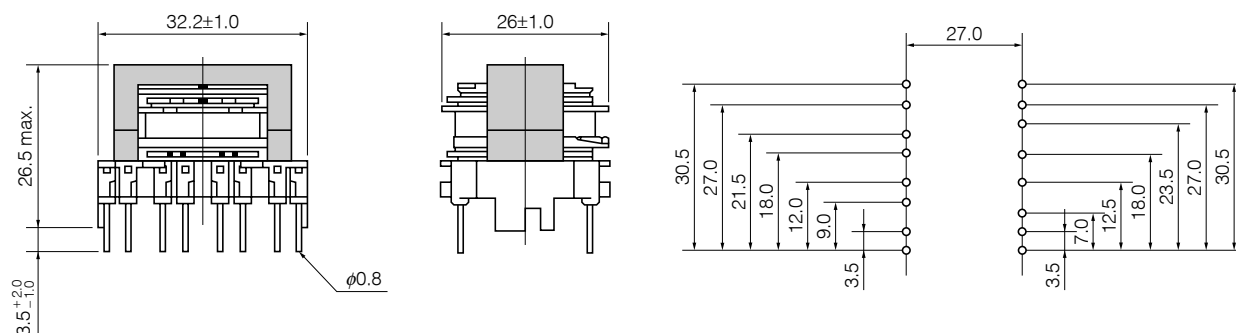
#### 24MS-9

Recommended PWB Piercing Plan(Bottom View)



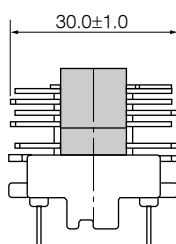
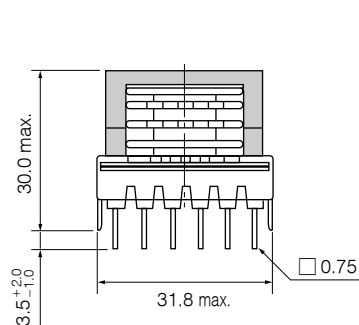
#### 28MS-16

Recommended PWB Piercing Plan(Bottom View)

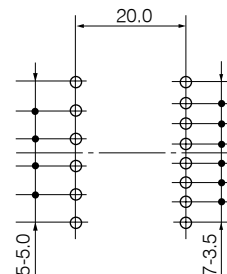


### ■ Dimensions in mm (not to scale)

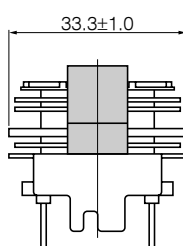
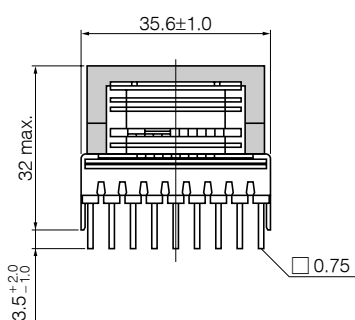
28MS-14



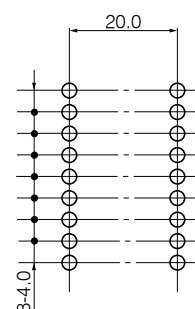
Recommended PWB Piercing Plan (Bottom View)



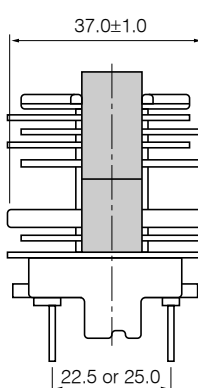
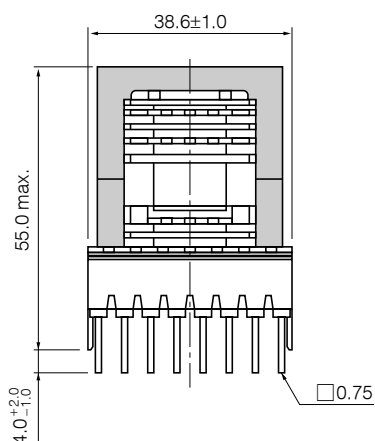
33MS-18



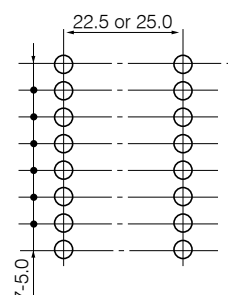
Recommended PWB Piercing Plan (Bottom View)



35MS-16

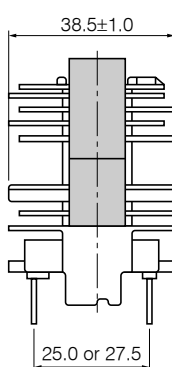
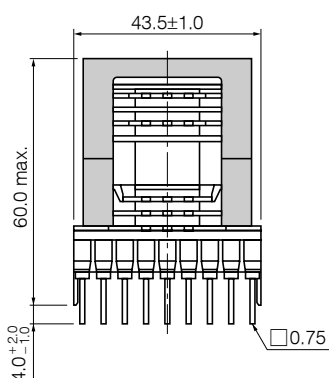


Recommended PWB Piercing Plan (Bottom View)

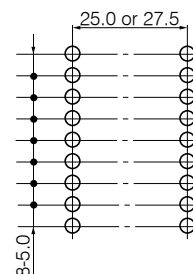


■ Dimensions in mm (not to scale)

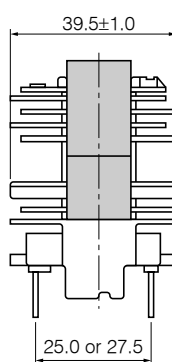
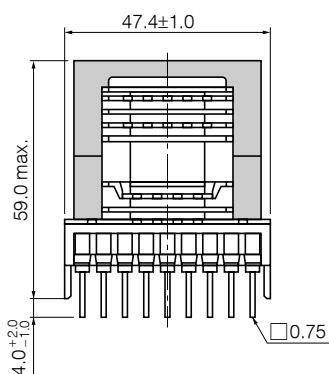
### 39MS-18



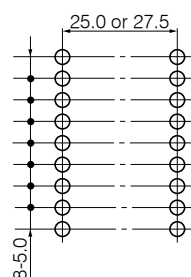
Recommended PWB Piercing Plan (Bottom View)



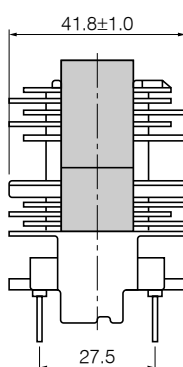
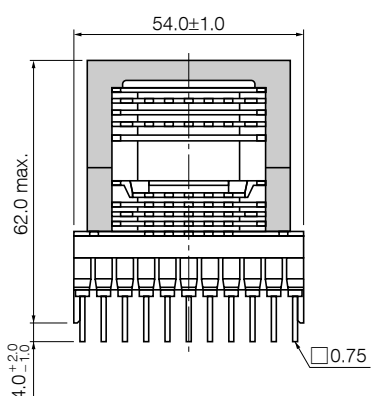
### 44MS-18



Recommended PWB Piercing Plan(Bottom View)



### 49MS-22



Recommended PWB Piercing Plan (Bottom View)

