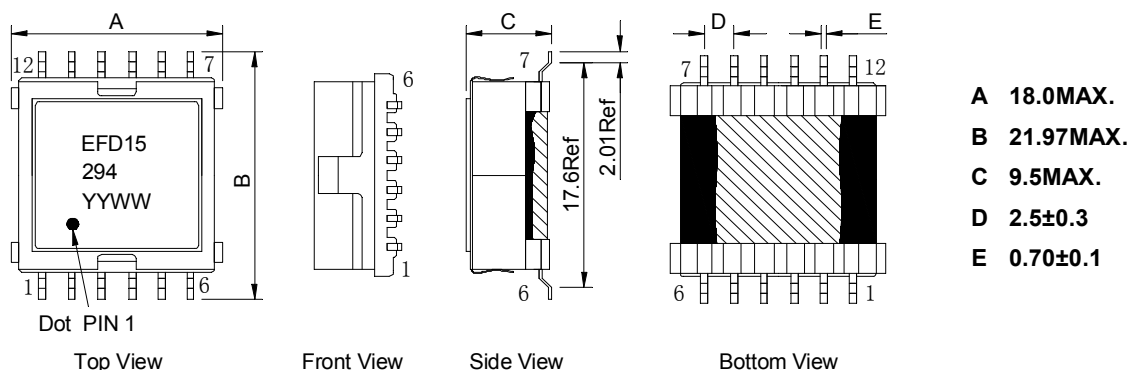


# EFD15 SERIES

## Product Specification

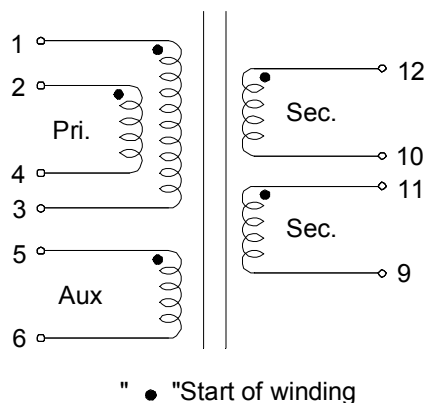
### 1.Physical Dimensions (Unit:mm)



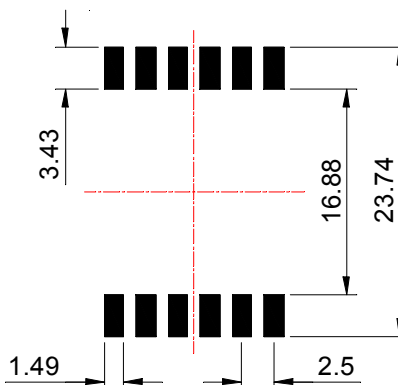
#### Notes:

- (1).Marking type is laser printing
- (2).YY: Year Code; WW: Week Code
- (3).Size B not including soldering tags
- (4).Coplanarity Requirement: Less than 0.15mm

### 2. Connection



### 3.Recommended Pad Layout (Unit:mm)

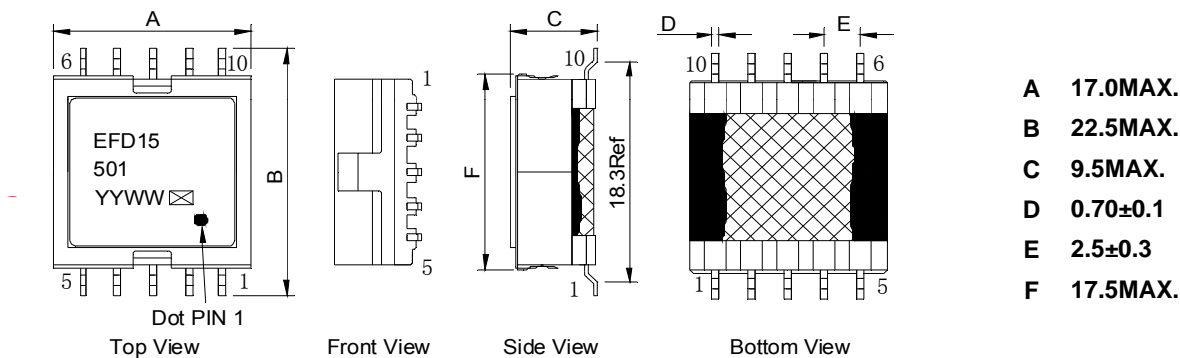


Items	Winding	Specifications	Test Conditions
Inductance	L(1,2-3,4)	150uH±10%	at 100kHz,0.1V
LK-Inductance	LK(1,2-3,4) Tie other	2.0uH MAX.	at 100kHz,0.1V
DCR	R(1-3)	340mΩ MAX.	at 25℃
	R(2-4)	430mΩ MAX.	
	R(5-6)	320mΩ MAX.	
	R(12-10)	22mΩ MAX.	
	R(11-9)	22mΩ MAX.	
Turns Ratio	(2-4):(5-6) :(12-10):(11-9):(1-3)	1:0.467:0.2:0.2:1;±3%	at 100kHz,0.1V
Hi-Pot	(1-2-5) To (11-12)	1500VAC	3 mA.60Sec
	(1-2) To 5	500VAC	3 mA.60Sec
	All Pin.To Core	500VAC	3 mA.60Sec

# EFD15 SERIES

## Product Specification

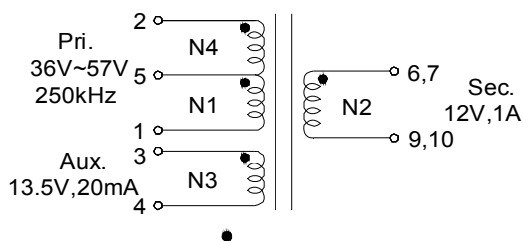
### 1. Physical Dimensions (Unit:mm)



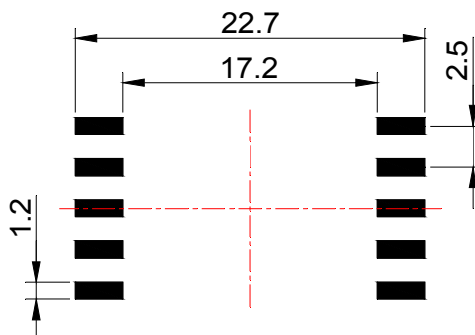
#### Notes:

- (1). Marking type is laser printing
- (2). YY: Year Code; WW: Week Code
- (3). : When making samples, S is used to represent the product is a sample.
- (4). : Use different letters or numbers to represent the products are produced from different production lines.
- (5). Size B not including soldering tags
- (6). Coplanarity requirement: Less than 0.10mm

### 2. Connection



### 3. Recommended Pad Layout (Unit:mm)

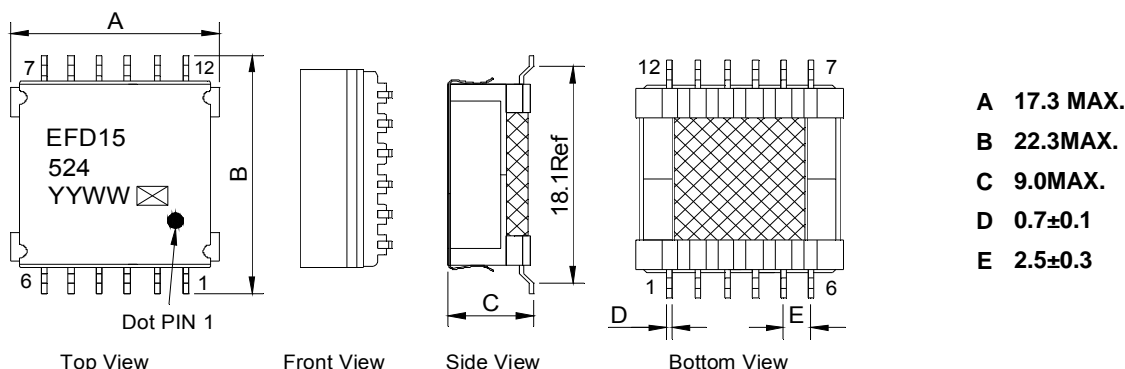


Items	Winding	Specifications	Test Conditions
Inductance	L(2-1)	140uH±7%	at 100kHz, 0.1V
LK-Inductance	LK(2-1) Tie other	1.3uH MAX.	at 100kHz, 0.1V
DCR	R(2-1)	365mΩ MAX.	at 25℃
	R(6,7-9,10)	40mΩ MAX.	
	R(3-4)	200mΩ MAX.	
Turn Ratio	(2-1):(6,7-9,10):(3-4)	1:0.389:0.444;±3%	at 20kHz, 1V
Hi-Pot	Pri. To Sec.	1500VAC	1 mA.2Sec
	Win. To Core	500VAC	1 mA.2Sec

# EFD15 SERIES

## Product Specification

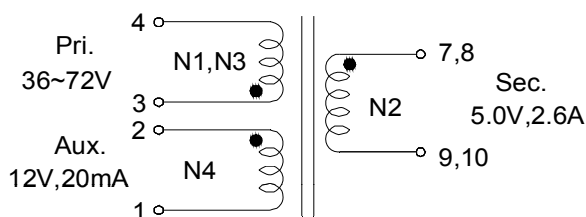
### 1. Physical Dimensions (Unit:mm)



#### Notes:

- (1). Marking type is laser printing
- (2). YY: Year Code; WW: Week Code
- (3). : When making samples, S is used to represent the product is a sample
- (4). : Use different letters or numbers to represent the products are produced from different production lines
- (5). Size B not including soldering tags
- (6). Coplanarity Requirement: Less than 0.10mm
- (7). Add epoxy to the center column of the cores

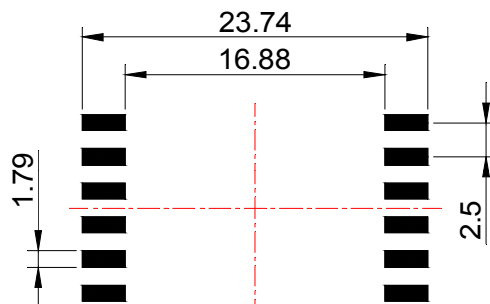
### 2. Connection



\*Customer to tie terminals 7&8 and 9&10 on PC board.

\*Application of the transformer allows for the leadwires between terminals 7&8 and 9&10 to solder bridge.

### 3. Recommended Pad Layout (Unit:mm)

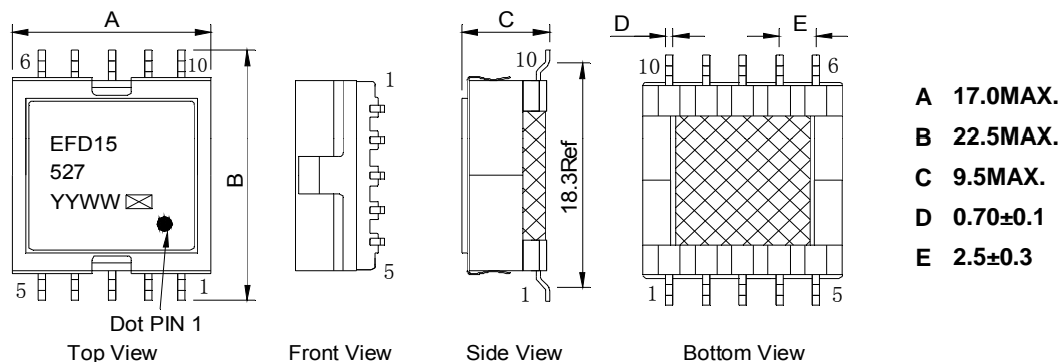


Items	Winding	Specifications	Test Conditions
Inductance	L(3-4)	127uH±10%	at 200kHz, 0.1V
DC.Bias	L(3-4)	L1.0A/L0A>90%	at 200kHz, 0.1V @1.0A
LK-Inductance	LK(3-4) Tie other	0.95uH MAX.	at 200kHz, 0.1V
DCR	R(3-4)	222mΩ MAX	at 25°C
	R(2-1)	348mΩ MAX	
	R(7,8-9,10)	39mΩ MAX	
Turns Ratio	(3-4):(7,8-9,10):(2-1)	36:9:18;±3%	at 20kHz, 1V
Hi-Pot	Pri. To Sec.	1500VAC	1 mA.3Sec
	Win.To Core	500VAC	1 mA.3Sec

# EFD15 SERIES

## Product Specification

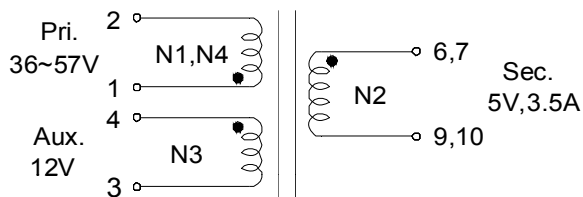
### 1. Physical Dimensions (Unit:mm)



#### Notes:

- (1). Marking type is laser printing
- (2). YY: Year Code; WW: Week Code
- (3). : When making samples, S is used to represent the product is a sample
- (4). : Use different letters or numbers to represent the products are produced from different production lines
- (5). Size B not including soldering tags
- (6). Coplanarity Requirement: Less than 0.10mm
- (7). Add epoxy to the center column of the cores

### 2. Connection

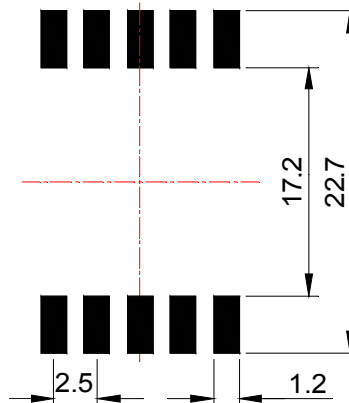


" • "Start of winding

\*Customer to tie terminals 6&7 and 9&10 on PC board.

\*Application of the transformer allows for the leadwires between terminals 6&7 and 9&10 to solder bridge.

### 3. Recommended Pad Layout (Unit:mm)

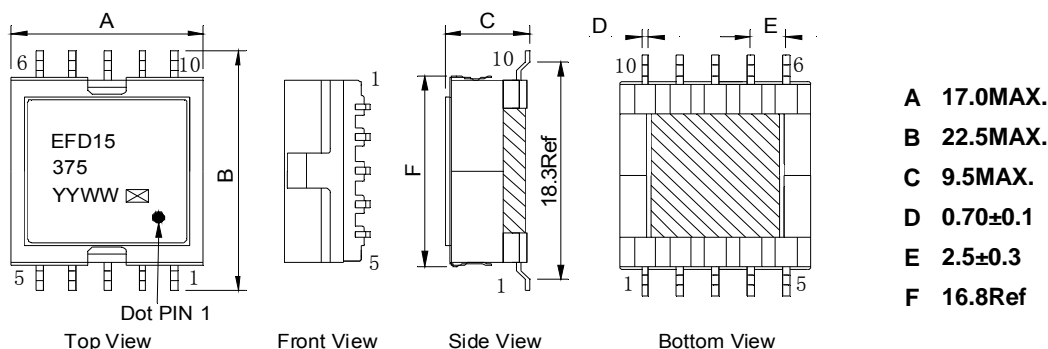


Items	Winding	Specifications	Test Conditions
Inductance	L(1-2)	60uH±5%	at 250kHz, 1V
LK-Inductance	LK(1-2) Tie other	1.2uH MAX.	at 250kHz, 1V
DCR	R(1-2)	150mΩ MAX	at 25°C
	R(6,7-9,10)	20mΩ MAX	
	R(4-3)	150mΩ MAX	
Turns Ratio	(1-2):(4-3):(6,7-9,10)	25:12:5;±3%	at 250kHz, 1V
Hi-Pot	Pri.To Sec.	1500VAC	5 mA.3Sec
	Win.To Core	500VAC	5 mA.3Sec

# EFD15 SERIES

## EFD15-375 Product Specification

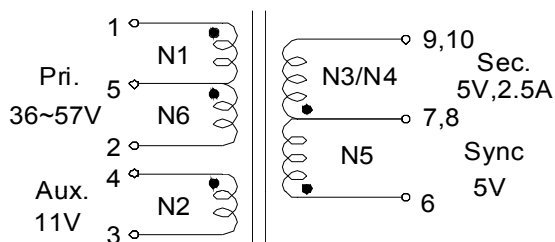
### 1.Physical Dimensions (Unit:mm)



#### Notes:

- (1).Marking type is laser printing
- (2).YY: Year Code; WW: Week Code
- (3).☒ :When making samples, S is used to represent the product is a sample
- (4).☒ :Use different letters or numbers to represent the products are produced from different production lines
- (5).Size B not including soldering tags
- (6).Coplanarity Requirement: Less than 0.10mm
- (7). Add epoxy to the center column of core,and Impregnation the varnish after finish goods.

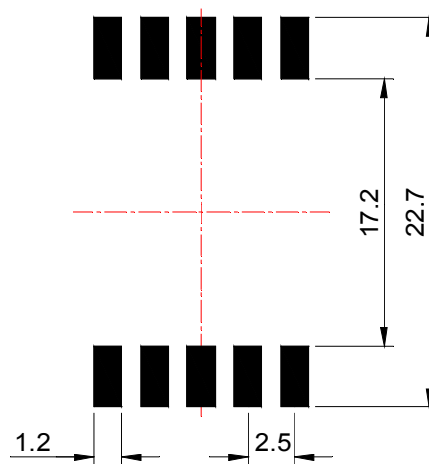
### 2. Connection



\*Customer to tie terminals 7&8 and 9&10 on PC board.

\*Application of the transformer allows for the leadwires between terminals 7&8 and 9&10 to solder bridge.

### 3.Recommended Pad Layout (Unit:mm)

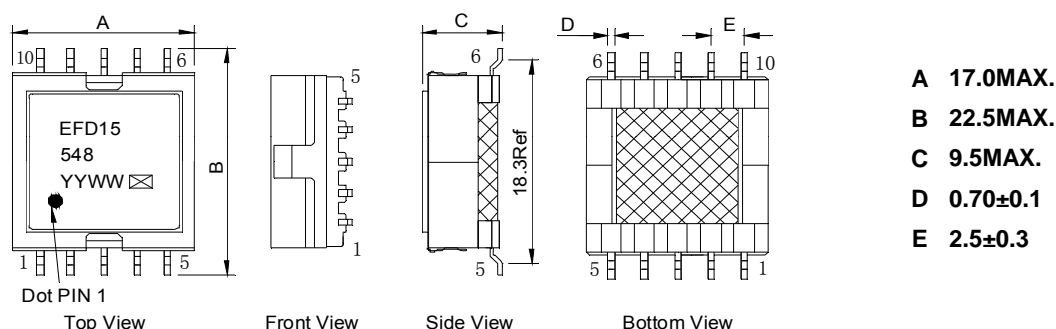


Items	Winding	Specifications	Test Conditions
Inductance	L(1-2)	150uH±10%	at 250kHz,0.1V
LK-Inductance	LK(1-2) Tie other	1.5uH MAX. ....	at 250kHz,0.1V
DCR	R(1-2)	300mΩ MAX	at 25℃
	R(4-3)	250mΩ MAX	
	R(7,8-9,10)	20mΩ MAX	
	R(6-7)	100mΩ MAX	
Turns Ratio	(1-2):(6-7):(4-3):(7,8-9,10)	36:6:14:6;±3%	at 250kHz,0.1V
Hi-Pot	Pri.To Sec.	1500VAC	0.5 mA.1Sec
	Win.To Core	500VAC	0.5 mA.1Sec

# EFD15 SERIES

## EFD15-548 Product Specification

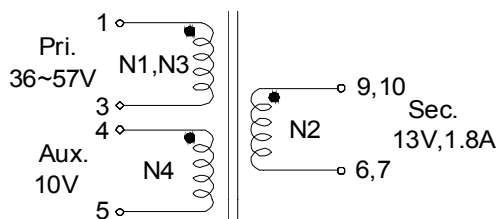
### 1. Physical Dimensions (Unit:mm)



#### Notes:

- (1). Marking type is laser printing
- (2). YY: Year Code; WW: Week Code
- (3). : When making samples, S is used to represent the product is a sample
- (4). : Use different letters or numbers to represent the products are produced from different production lines
- (5). Size B not including soldering tags
- (6). Coplanarity Requirement: Less than 0.10mm
- (7). Add epoxy to the center column of the cores

### 2. Connection

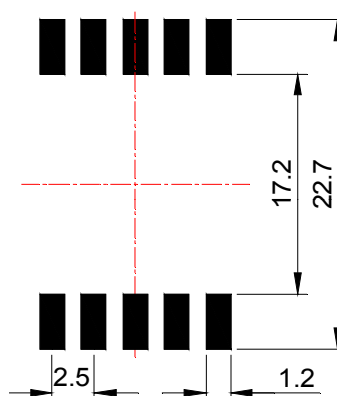


" • "Start of winding

\*Customer to tie terminals 6&7 and 9&10 on PC board.

\*Application of the transformer allows for the leadwires between terminals 6&7 and 9&10 to solder bridge.

### 3. Recommended Pad Layout (Unit:mm)



Items	Winding	Specifications	Test Conditions
Inductance	L(1-3)	65uH±10%	at 100kHz, 0.1V
LK-Inductance	LK(1-3) Tie others	1.3uH MAX.	at 100kHz, 0.1V
DCR	R(1-3)	250mΩ MAX	at 25℃
	R(9,10-6,7)	35mΩ MAX	
	R(4-5)	275mΩ MAX	
Turns Ratio	(1-3):(4-5):(9,10-6,7)	32:10:12;±3%	at 20kHz, 1V
Hi-Pot	Pri.To Sec.	1500VAC	1 mA.2Sec
	Win.To Core	500VAC	1 mA.2Sec