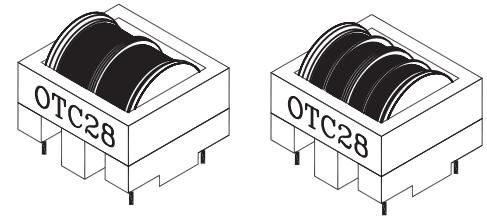


# OTC-28 EMI FILTER

## FAOTC28H series



### FEATURES

Rated Voltage :85 to 265VAC, 50/60Hz.  
 Insulation resistance: 100MΩ Min at 500Vdc.  
 Turns ratio: N1:N2=1:1±2%.  
 Test Frequency Response: 20KHz/0.1V.  
 Withstanding Voltage: 1.5KVAC wind to core, line to line.  
 Operating temperature range: -40°C to +105°C.  
 All parts meet ROHS compliance.

### PRODUCT IDENTIFICATION:

FA OTC 28 H - 2 - 502 Y 5R8  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ①:Fuan Electronics
- ②:Series name
- ③:Product dimensions
- ④:V is to the vertical form, H is to the horizontal form
- ⑤:Trunking
- ⑥:Inductance Value
- ⑦:Minimum Value
- ⑧:Rated current

### ELECTRICAL CHARACTERISTICS

REFERENCE RATING(2 GROOVES BOBBIN)

Part Number	Inductance (L)mH Min	D.C.R. mOHM Max.	Rate Current Amp(ac)REF	Wire DIA.φ (mm)
FAOTC28H-2-502Y5R8	5.0	40	5.8	1.00
FAOTC28H-2-902Y4R7	9.0	65	4.7	0.90
FAOTC28H-2-153Y3R7	15.0	90	3.7	0.80
FAOTC28H-2-203Y3R3	20.0	130	3.3	0.75
FAOTC28H-2-253Y2R8	25.0	160	2.8	0.70

REFERENCE RATING(4 GROOVES BOBBIN)

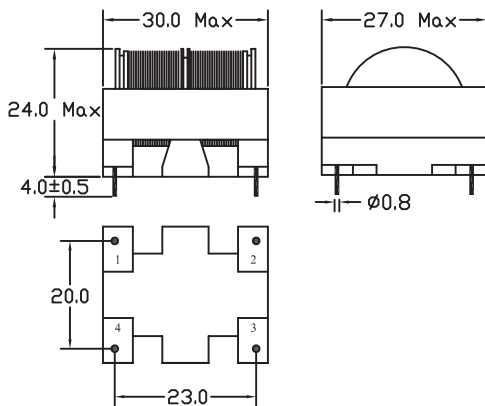
Part Number	Inductance (L)mH Min	D.C.R. mOHM Max.	Rate Current Amp(ac)REF	Wire DIA.φ (mm)
FAOTC28H-4-602Y4R2	6.0	55	4.2	0.85
FAOTC28H-4-902Y3R7	9.0	70	3.7	0.80
FAOTC28H-4-123Y3R3	12.0	90	3.3	0.75
FAOTC28H-4-153Y2R8	15.0	110	2.8	0.70
FAOTC28H-4-183Y2R4	18.0	160	2.4	0.65

Special or custom-made specification is available by request

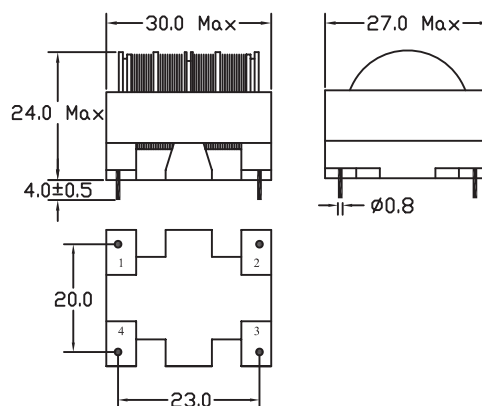
### TECHNICAL INFORMATION

#### DIMENSION IN mm

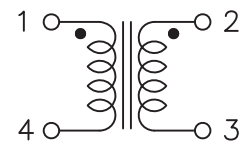
2 GROOVES BOBBIN:



4 GROOVES BOBBIN:



### PHYSICAL CHARACTERISTICS



#### TOLERANCE

0 < L < 2	±0.2
2 < L < 12	±0.4
12 < L < 48	±0.6
Pin Pitch	±0.5
Pin Diameter	±0.2