

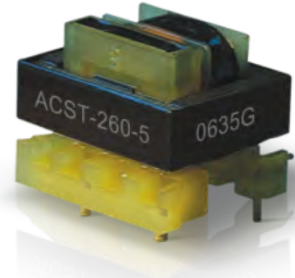
## ACST-200 SERIES

### FEATURES

- Primary Current Range 0.4 to 30 Arms
- Dielectric Strength 4000 Vrms
- Split bobbin design for 5.5 mm or 8.0 mm creepage and clearance
- Low profile(16 mm height)
- UL approved Class B insulation system

### 产品特点

- 输入电流范围从0.4到30A
- 初次级间耐压达4000Vrms
- 隔离式骨架设计，可分别满足5.5mm及8.0mm的爬电距离
- 紧凑的结构设计（高度只有16mm）
- 使用UL认证的B级绝缘系统材料



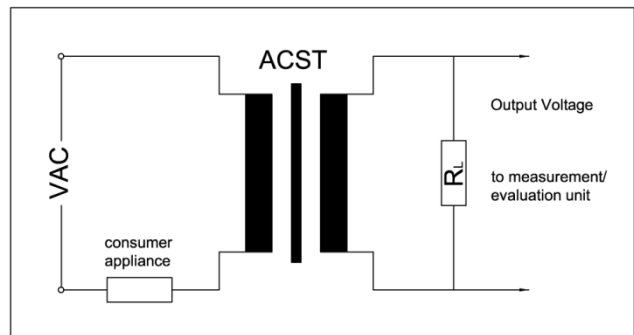
### ELECTRICAL SPECIFICATION 电气规格

Primary Current Range	0.4 to 30 Arms
Frequency Range	50 to 200 Hz (sinusoidal)
Primary Resistance	
DC vaule	max.600 microohms
Impedance at 50 Hz	typical < 1 milliohms
Clearance	5.5 or 8.0 mm
Creepage	5.5 or 8.0 mm
Dielectric Strength	4000 Vrms
(at sea level for 1 min.)	between primary and secondary
Ambient Temperature	
Operating	Primary Current Range 0.4 to 30A -40° C(-40° F) to 70° C(158° F)  Primary Current Range 0.4 to 20A -40° C(-40° F) to 85° C(185° F)
Storage	-40° C(-40° F) to 105° C(221° F)
Vibration	0.062"(1.5mm) DA at 10-55Hz
Shock	10 g
Bobbin	Nylon 66
Terminals	Tinned copper alloy,P.P.
Max. Solder Temp.	270° C(518° F)
Max. Solder Time	5 seconds
Weight	13 grams
Packing unit in pcs	48 per plastic tray /576 per carton box

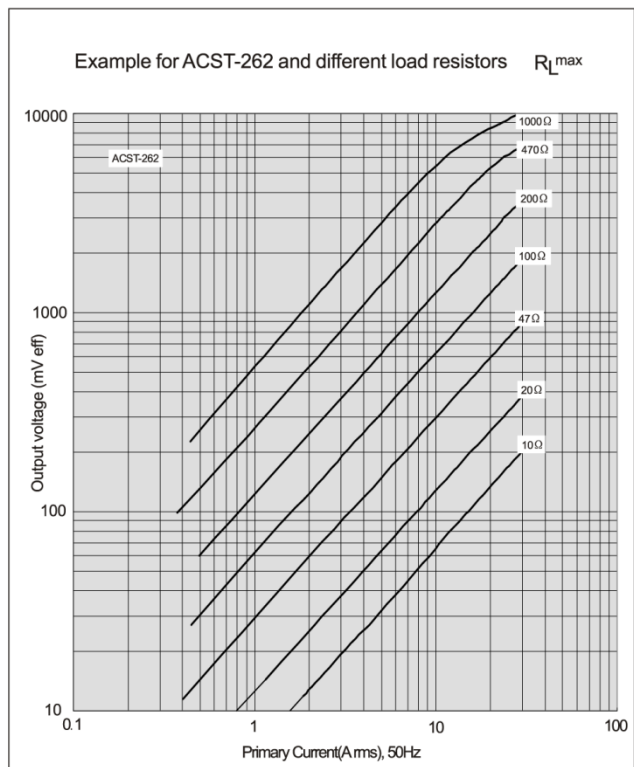
### NOTES

1. All values at 20° C(68° F)
2. Additional technical information is available at [www.ZETTLERelectronics.com](http://www.ZETTLERelectronics.com)
3. Specifications subject to change without notice

### SCHEMATIC 原理图



### OUTPUT VOLTAGE



## ELECTRICAL SPECIFICATION 电气规格

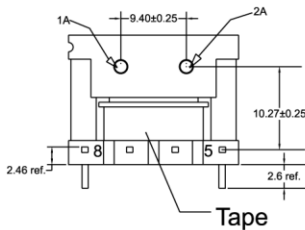
Order Number	Turns Ratio	$R_L^{max}$ (Ohms)	Output (mV/A)± 5%	Secondary Resistance (DC/Ohms)± 10%	Sense Inductance (H)± 30%
Perferred Type					
ACST-262-15	1:1500	200	123.3	220	5.2
Other Available Versions					
ACST-255-15	1:50	0.2	3.75	0.198	0.008
ACST-256-15	1:100	1	9.7	0.785	0.025
ACST-257-15	1:150	2	13.9	1.7	0.06
ACST-258-15	1:200	4.7	20.0	3.2	0.12
ACST-259-15	1:300	10	31.7	7.4	0.27
ACST-260-15	1:500	20	37.2	20	0.72
ACST-261-15	1:1000	100	91.7	79	2.4

## NOTE

- "-15" indicates 5.5 mm clearance and creepage; substitute it with "-18" for 8.0 mm clearance and creepage.
- The output voltage is linear in the whole range of primary current, if the closed load resistor is not higher than value  $R_L^{max}$ .
- Measured at primary current of 10 Arms, 50Hz and load resistor value  $R_L^{max}$ .
- Measured at 1 V, 100 Hz, serial.

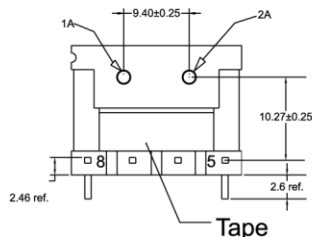
## MECHANICAL SPECIFICATION 尺寸图

ACST-2xx-15

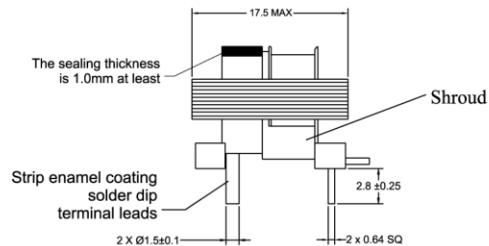
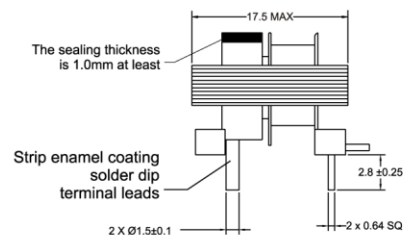
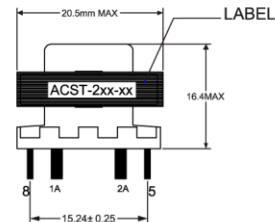


Bottom View

ACST-2xx-18



Bottom View



Dimensions in mm.

## SCHEMATIC 原理图

