

**I<sub>PN</sub> = 10A**

### Features

- Low amplitude error & phase error
- All relevant materials are UL approved

### Advantages

- Excellent accuracy
- Very good linearity
- Low temperature drift

### Applications

- Metering application
- Relay application

### Application domain

- Commercial
- Industrial

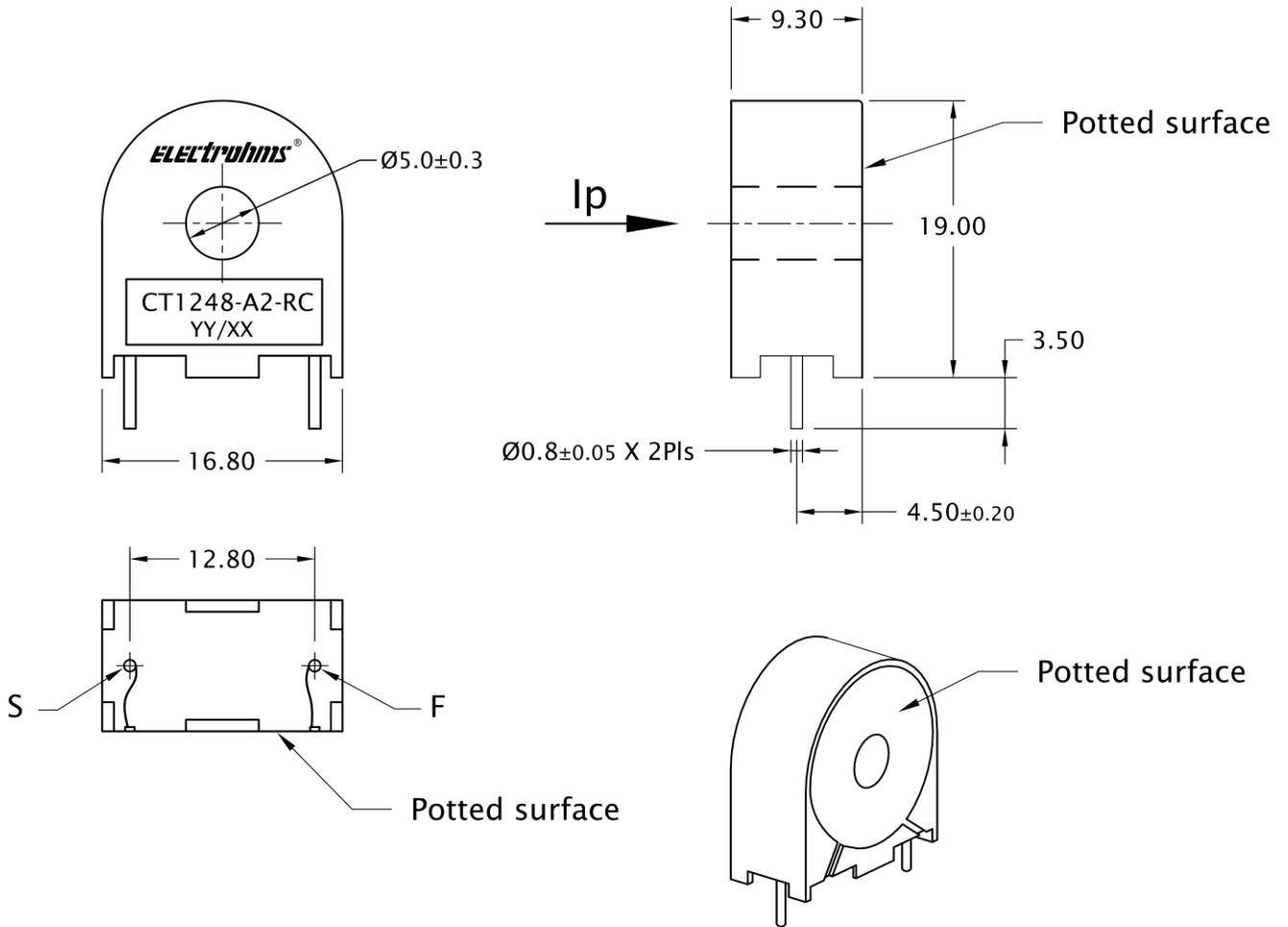
### Specifications @ 25°C

Parameters	Symbol	Value	Units
Primary current range	I <sub>p</sub>	0.05-10	Arms
Operating frequency	f	50/60	Hz
Half wave sine wave rectified, current amplitude	----	---	---
Secondary turns	N <sub>s</sub>	1500	
Secondary winding resistance	R <sub>s</sub>	45-60	Ω
Recommended secondary Burden resistance	R <sub>b</sub>	75	Ω
Amplitude error	AE	+/-0.2	%
Phase error	PE	<0.5	°
Inductance @ 80mVrms, 50Hz, Parallel mode	L	≥35	H
Operating temperature range	T <sub>opr</sub>	-40 to +85	°C
Storage temperature range	T <sub>stg</sub>	-40 to +85	°C
Dielectric strength between rod inserted in the primary opening and secondary terminals, @ 50Hz, 60 Seconds	V <sub>d</sub>	4.0	kVrms
Mass	m	6	g

Amplitude error (AE) and phase error (PE) values are guaranteed with recommended secondary burden resistance values. Contact ELECTROHMS design group for use of burden other than recommended secondary burden resistance.

**Mechanical dimensions**

GENERAL TOL. ±0.5 mm	
ALL DIMENSIONS ARE IN 'mm'	SCALE -NTS



Termination Details	
S	Start
F	Finish

**Notes:**

- The start & finish of the CT will be as shown in the figure, when primary current flows in the direction of arrow.

**Safety**



- When operating the current transformer, primary busbar can carry hazardous voltage.
- Risk of electrical shock when current transformer is operated with secondary in open condition with primary winding energised.

**General information:**

Electrohms reserves the rights to make modifications on products for improvements without prior notice.