

# **CSR-A & B SERIES**

CSR-A/B

# POWER REGULATOR CHIP

X10203

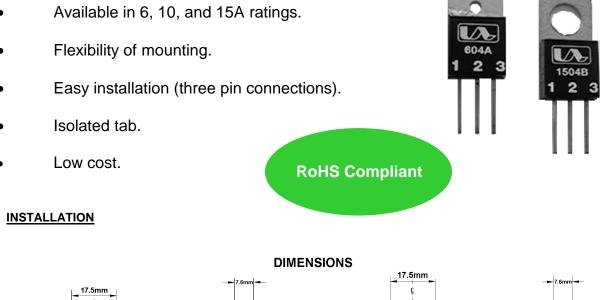
## **INTRODUCTION**

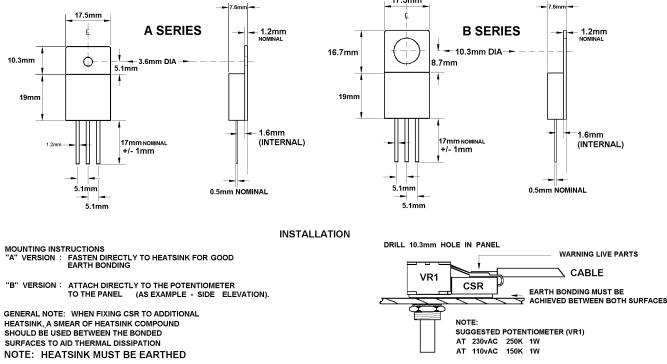
The CSR power regulator chip is a compact and robust unit, which is capable of controlling singlephase mains driven loads of up to 15A. Used in conjunction with variable resistance (potentiometer), the chip gives a fully adjustable output from zero to maximum voltage.

## **APPLICATIONS**

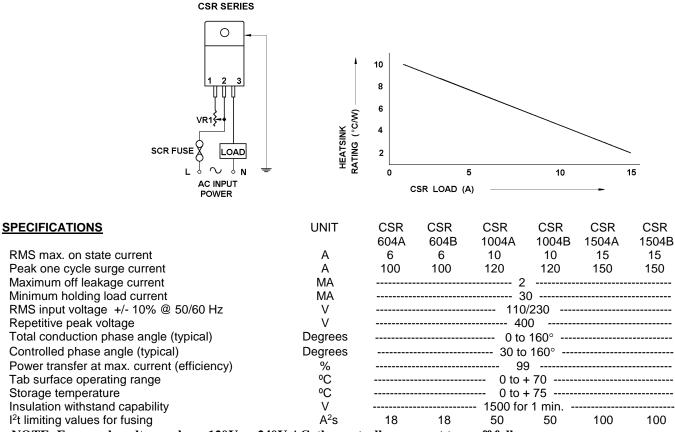
Suitable for conventional resistive heating elements such as ovens, quartz lamps, moulders and dryers. They are also suitable for many inductive loads such as, transformers, fans and motors.

## **FEATURES**





**INSTALLATION** Stainless steel typically 15 times less thermally conductive and mild steel which is typically 5 times less thermally conductive.



NOTE: For supply voltages above 120V or 240V AC, the controller may not turn off fully.

## **FUSING**

It is recommended that semiconductor, fast acting type fuses or circuit breakers (Semiconductor-MCB) be used for protection. On initial operation some loads may need an increased Factor of Safety (F of S) for unit and/or device protection. See SRA datasheet for further information.

#### **CE MARKING**

This family carries a "CE" marking. These phase angle controllers need a suitable remote filter. For more information see recommendations section and contact our sales desk. See Declaration of Conformity.

#### **RECOMMENDATIONS**

Other documents available on request, which may be appropriate for your application: -

CODE	IDENTITY	DESCRIPTION
X10229	RFI	Single Phase Filter recommendations: Addressing EMC Directive
X10213	ITA	Interaction: Uses for phase angle and for burst fire control.
X10255	SRA	Safety requirements: Addressing the Low Voltage Directive
		(LVD) including, Thermal data/cooling, Live parts warning, Earth
		requirements and fusing recommendations.
P01.1	COS	UAL Conditions of sale.
X10378	ILR	Inductive loads remedy sheet for use with Phase angle controllers.

**NOTE:** It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.T. (formally I.E.E.) regulations (BS7671) by suitably qualified/trained personnel. The regulations contain important requirements regarding installation and safety of electrical equipment. Specific installers should refer to local and national regulations.

## **ORDER CODE:**

State part number: CSR 'A' OR 'B' + (load rating) and (supply voltage) Optional extras include: knob, dial, heatsink compound.

