

CSR-A & B SERIES

CSR-A/B

POWER REGULATOR CHIP

X10203

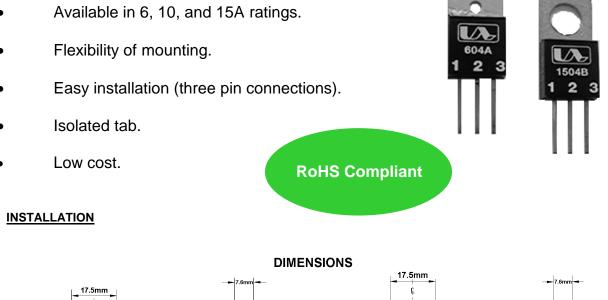
INTRODUCTION

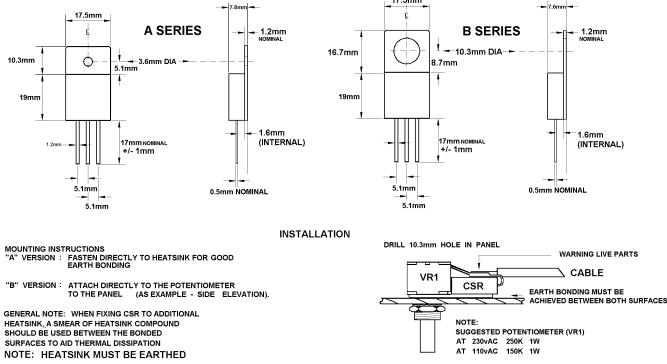
The CSR power regulator chip is a compact and robust unit, which is capable of controlling singlephase mains driven loads of up to 15A. Used in conjunction with variable resistance (potentiometer), the chip gives a fully adjustable output from zero to maximum voltage.

APPLICATIONS

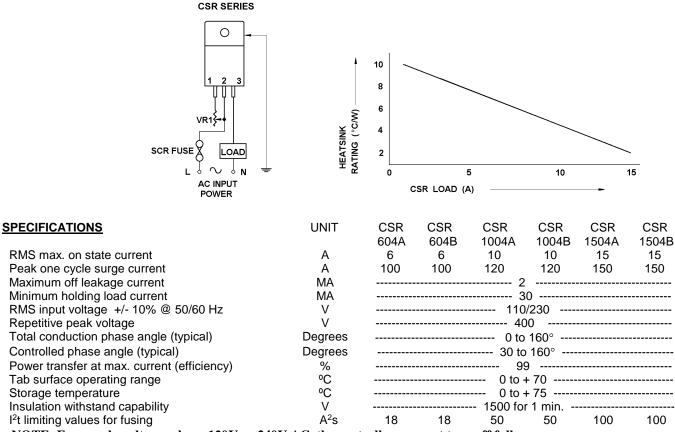
Suitable for conventional resistive heating elements such as ovens, quartz lamps, moulders and dryers. They are also suitable for many inductive loads such as, transformers, fans and motors.

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.

