

FEATURES

- Compact module design (standard power module fixing)
- High reliability
- Wide range
- Short delivery time
- Low cost
- Ready to use

APPLICATION

- AC thyristor control equipment
- Rectifiers (diode / thyristor circuits)
- Output filter



Photo non-contractual

STANDARD PRODUCT LIST

PRODUCT REFERENCE	CONFIGURATION	Resistance value	Maximum power instantaneous dissipation	C value	Typical maximum nominal working voltage V_{RMS}	Varistor nominal voltage	Maximum varistor energy		Dimensions figure	Circuit configuration
							10/1000 μ s	2ms		
SCRC0,068/150T	Single RC	150	6 W.	0,068 μ F	700 V (1)	NA			1	a
SCRC0,22/56T		56	10 W.	0,22 μ F	660 V (1)					
SC2RC0,068/150T	Dual RC	150	6 W.	0,068 μ F	700 V (2)	NA			2	b
SC2RC0,22/56T		56	10 W.	0,22 μ F	700 V (2)					
SCRCV0,068/150-130T	Single RC + varistor	150	6 W.	0,068 μ F	125 V (1)	130 V_{RMS}	79 J	57 J	1	c
SCRCV0,068/150-250T					230 V (1)	250 V_{RMS}	134 J	96 J		
SCRCV0,068/150-460T					400 V (1)	460 V_{RMS}	203 J	145 J		
SCRCV0,068/150-500T					450 V (1)	500 V_{RMS}	268 J	192 J		
SCRCV0,068/150-550T					500 V (1)	550 V_{RMS}	308 J	216 J		
SCRCV0,22/56-130T	Single RC + varistor	56	10 W.	0,22 μ F	125 V (1)	130 V_{RMS}	79 J	57 J	1	c
SCRCV0,22/56-250T					230 V (1)	250 V_{RMS}	134 J	96 J		
SCRCV0,22/56-460T					400 V (1)	460 V_{RMS}	203 J	145 J		
SCRCV0,22/56-500T					450 V (1)	500 V_{RMS}	268 J	192 J		
SCRCV0,22/56-550T					500 V (1)	550 V_{RMS}	308 J	216 J		
SC2RCV0,068/150-130T	Dual RC + varistor	150	6 W.	0,068 μ F	125 V (2)	130 V_{RMS}	79 J	57 J	2	d
SC2RCV0,068/150-250T					230 V (2)	250 V_{RMS}	134 J	96 J		
SC2RCV0,068/150-460T					400 V (2)	460 V_{RMS}	203 J	145 J		
SC2RCV0,22/56-130T	Dual RC + varistor	56	10 W.	0,22 μ F	125 V (2)	130 V_{RMS}	79 J	57 J	2	d
SC2RCV0,22/56-250T					230 V (2)	250 V_{RMS}	134 J	96 J		
SC2RCV0,22/56-460T					400 V (2)	460 V_{RMS}	203 J	145 J		
SCRC0,1/150T-2kV	Single RC	150	6 W.	0,1 μ F	750 V (1)	NA			1	a
SCRC0,1/56T-2kV		56	10 W.		1000 V (1)					
SCRC0,1/75T-2kV		75	18 W.		1300 V (1)					

(1)-Typical voltages suggested for general phase control applications in W1C circuit. ATTENTION, for continuous working near to 90° phase angle the great dissipation can be observed, consult factory for these applications

(2)-Typical voltages suggested for general phase control applications in rectifier circuits.

CIRCUIT CONFIGURATION

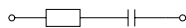


Fig. a : Single RC type

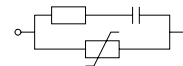


Fig. c: Single RC and varistor type

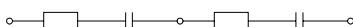


Fig. b: Dual RC type

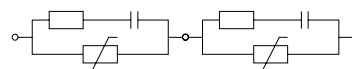


Fig. d: Dual RC and varistor type

We manufacture customized values and/or characteristics under request.

ELECTRICAL COMMON SPECIFICATIONS	
Capacitance tolerance	± 10%
Resistance tolerance	± 10%
Continuous maximum power dissipation ($T_{HS}=85^{\circ}\text{C}$)	5 W.

ENVIRONMENT SPECIFICATIONS	
Humidity max.	50% RH @ 35°C / 90% RH @ 20°C
Pollution degree	III
Terminals to base	5000 V_{RMS} / 1 min

MECHANICAL SPECIFICATIONS	
Mounting position	Any
Aprox. Weight	70 grs. (Single RC type) 76 grs. (Dual RC type)
Operation temperature	-25 to 85 °C

MODULE DIMENSIONS

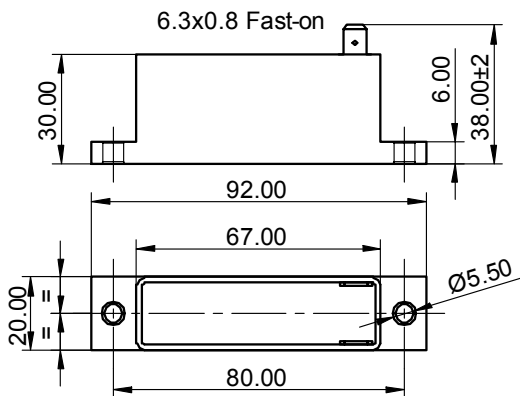


Fig. 1: Single RC module

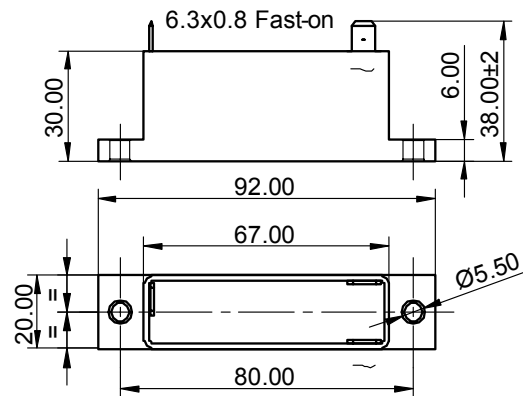
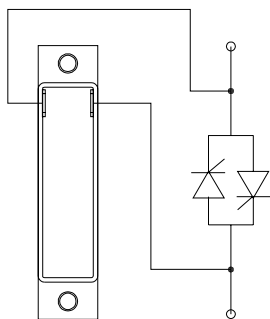
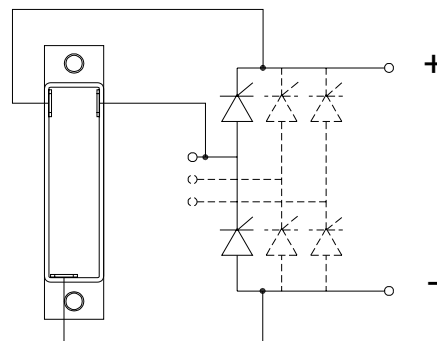


Fig. 2: Dual RC module

TYPICAL APPLICATION CIRCUITS



Single RC module



Dual RC module

Cost Effective Products

SEMICODE ELECTRONICA

offers to the market a comprehensive range of products from recognized manufacturers at the best price/quality relationship, this products are provided with a basic reference code that allows maintaining the same product reference even if the original device manufacturer is replaced. SEMICODE product reference has to be considered as a generic brand.

Seeking the market needs and trends, we are constantly increasing the product portfolio with new products and suppliers, please ask for the updated information available to our local contacts.

SEMICODE products include semiconductors, passive components and accessories focused in power electronics market.

Datasheet Annotations:

SEMICODE ELECTRONICA annotate datasheets in the top left hard corner of the front page, to indicate product status. The annotations are as follows:

Tentative information: This is the most tentative form of information and represents a very preliminary specification. No actual design work on the product has been started.

Preliminary Information: The product is in design and development. The datasheet represents the product as it is understood but details may change.

Advance Information: The product design is complete and final characterisation for volume production is well in hand.

No Annotation: The product parameters are fixed and the product is available to datasheet specification.

NOTICE: The technical data are to specify components, not to guarantee their properties.No warranty or guarantee expressed or implied is made regarding delivery or performance. The Company reserves the right to alter without prior notice the specification of any product. Information concerning possible methods of use is provided as a guide only and does not constitute any guarantee that such methods of use will be satisfactory in a specific piece of equipment. It is the user's responsibility to fully determine the performance and suitability of any equipment using such information and to ensure that any publication or data used is up to date.

All brand names and product names used in this publication are trademarks, registered trademarks or trade names of their respective owners.

© SEMICODE ELECTRONICA 2008. TECHNICAL DOCUMENTATION – NOT FOR RESALE