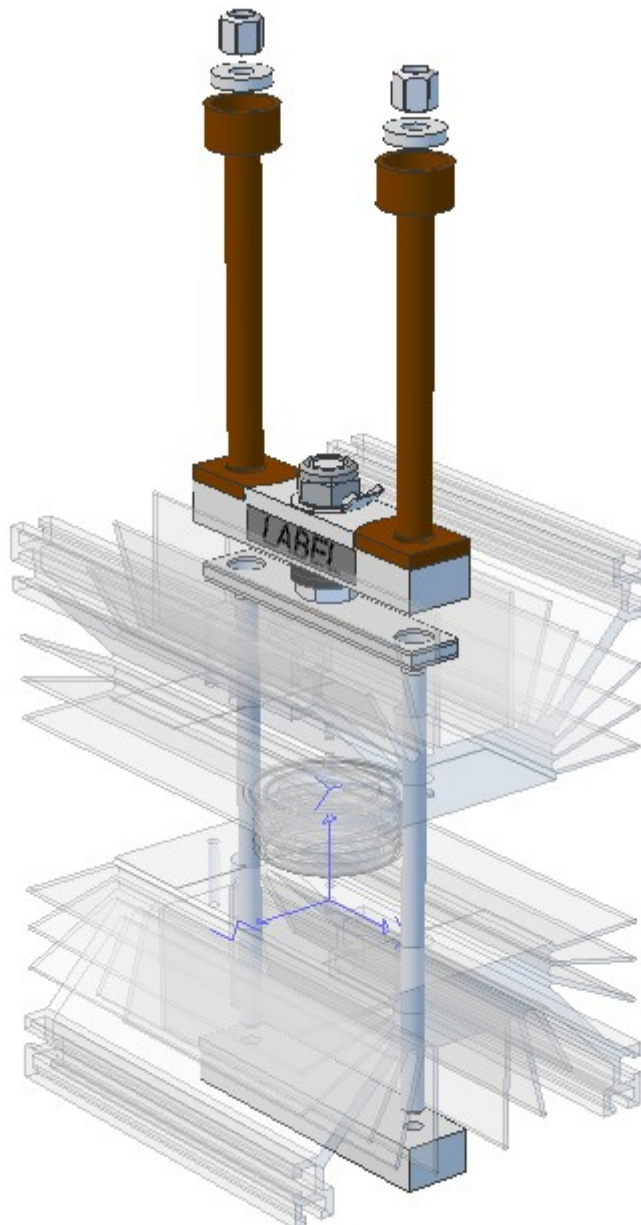


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PW-RGCR01xxxx

High isolation press-pack semiconductor clamp kit

PW_RGCR01_i



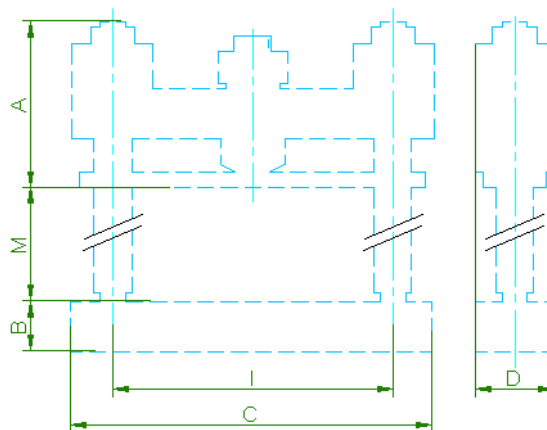
non-contractual image/s

Reserves the right to change limits, test conditions and dimensions given in this data sheet at any time without previous notice.

HIGHLIGHTS ANS GENERAL DIMENSIONS DATA

- Generic application KIT for easy applicattion
 - No special tools needed
 - High reliability
- RoHS compliant corrosion protection zinc treatment
 - Standard clamping force tolerance: -5%/+10%
 - High voltage design insulation 5000VRMS/1min.
 - Extended temperature range operation: -50°C to 200°C
 - Ryton™ (1) resin tube isolators

(1) "Ryton" is a Phillips Petroleum trademark.



GENERAL APPLICATION DIMENSIONS AND PRESSURE FORCE						
Reference	Pressure force (1)	Maximum semic. Ø	Interaxis "I"	Rod thread	"M" min. & max.	
					Min.	Max.
PW-RGCR01F0500-KIT001	500 Kgf	76 mm.	89 mm.	M8	42	97
PW-RGCR01F0800-KIT001	800 Kgf					
PW-RGCR01F1000-KIT001	1000 Kgf					
PW-RGCR01F1500-KIT001	1500 Kgf					
PW-RGCR01F2200-KIT001	2200 Kgf					
PW-RGCR01F2700-KIT001	2700 Kgf					

MOUNTING CONSIDERATIONS

PW-RGCR01x series is available in one inter-axis distance:

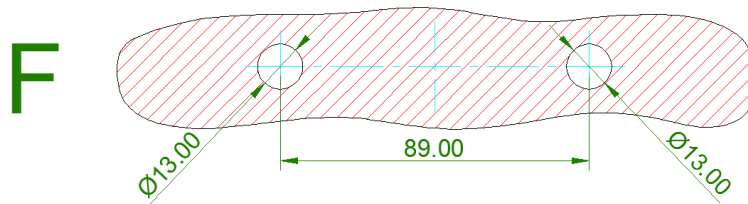
- 89 mm. (RGCR01Fx)

"M" dimensions are defined according to standard press-pack devices available in the market and heatsinks as well, please check "dimension table" for appropriate application.

All kits include two pairs of rods and insulators with different lengths that allows many mounting configurations, you can cut-to-size the insulators if needed.

Recommended machining dimensions in the heatsink as shown below and must be respected.

DETAILED CLAMP DIMENSIONS					
Reference	Head height "A"	Base height "B"	Large "C"	Width "D"	Recommended axis holes Ø
PW-RGCR01F0500-KIT001	63 mm.	20 mm.	115 mm.	25 mm.	13 mm.
PW-RGCR01F0800-KIT001					
PW-RGCR01F1000-KIT001					
PW-RGCR01F1500-KIT001					
PW-RGCR01F2200-KIT001					
PW-RGCR01F2700-KIT001					



PW-RGCR01F series clamp doesn't require any special tool for correct mounting, This is because a pre-calibrated force indicator is included for safe and easy mounting in your power stack.

Please follow the next steps in order to avoid any problem while mounting it.

1-Clean carefully the contact surface of the heatsink, a mild abrasive type "Scotch-Brite (1)" is indicated if the surface is damaged, degrease the surface with acetone or methanol. Avoid contact surfaces (heatsink and semiconductor) with your fingers.

(1) Scotch-Brite is a 3M trademark.

2-Arrange small amount of thermal conductive paste on a flat surface (glass or similar), TCZn-60 is recommended and available in our online power store, spread with the help of a foam roller.

3-With roller impregnated paste "paint" the contact surfaces of the semiconductor, must a thin layer (ideally 50 μ to 100 μ).

4-Place de device onto the heatsink.

5-Assemble the clamp connecting the heat sinks.

6-Tighten the bolts alternatively with a wrench until the nut contacts the washer, ensure that clamps head is perfectly aligned with the heatsink.

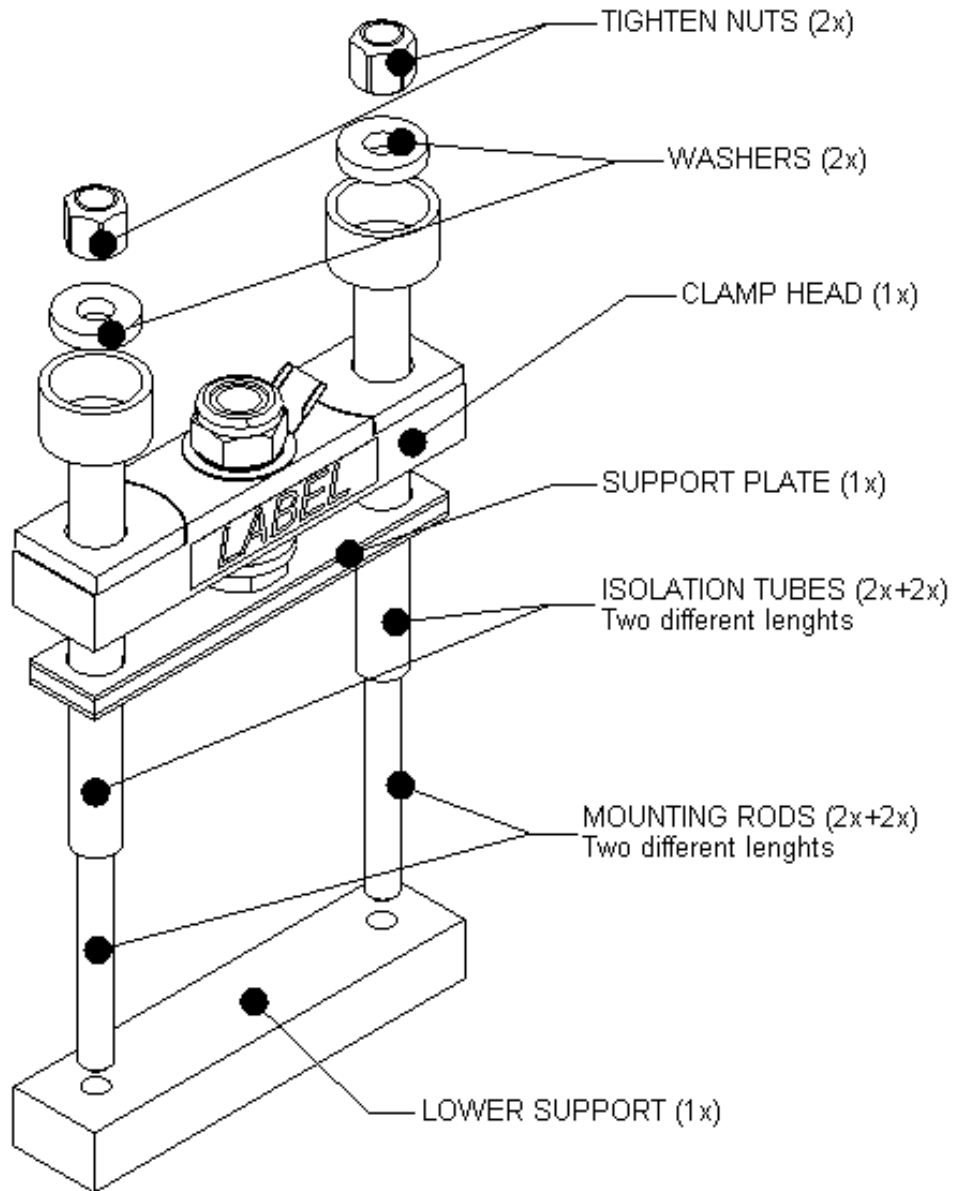
7-Tighten nuts alternately by 1/8 turn, checking the pressure indicator tab each time until just turns free. Then tighten the nut opposite to the side that last released 1/8 of a turn.

8-Check again the pressure indicator after 30 minutes. If necessary, tighten slightly.

WARNING

Do not overtighten. If it occurs, completely loosen the clamp, allow the clamp spring washers to relax for 1/2 hour and proceed to retighten it. Make sure that the device is not damaged.

Do not move the center nut of the head clamp, precalibrated be lost.

BASIC KIT CONTENTS

POWERALIA™

Portal online de venta de componentes de GUASCH
Online portal for the sale of GUASCH components

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Tax I.D.: ES-A08657322

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