



PRODUCT DATA SHEET



REFERENCE: 23043

DATE: 06/05/2014

REV: 0

PAGE N° 1/2

DESCRIPTION: CA14FV15-100KA2020 LV10 SH RT-RO LA3%

Customer Approval : Date: _____ Name: _____ Signature: _____

ELECTRICAL PARAMETERS AT 23°C ±5°C AND 40% TO 70% HR:

Nominal Resistance	100K Ohm
Resistance Tolerance	±20%
Maximum Power at 50°C	0,25W
Resistance Law	Linear. Absolute Linearity 3%
Temperature Coefficient	500 ppm/°C
Temperature Range	-25°C to +70°C
Contact Resistance	<5% RN
Contact Resistance Variation	< 3%RN
Electrical Angle	245°±20°

MECHANICAL PARAMETERS:

Wiper Torque	< 2,5Ncm
Angle Of Rotation	265°±5°
Max. Torque At End Stop	10Ncm
Max. Push And Pull On The rotor	50N
Dimensional Part's	See drawing N° PLANO 02-0738
Wiper Position On Delivery	At 50%±15°
Operational Life	10.000 Cycles
Rotor Colour	Red

MATERIALS

HOUSING TERMINALS

TINNED STEEL



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DESCRIPTION: CA14FV15-100KA2020 LV10 SH RT-RO LA3%

TEST:

Thermal Cycling

±2,5%

Initial measure of the resistance value at standard conditions. Put the potentiometers 16h at T^a 85°C follow that 2h at T^a -25C. Measuring of the value variation after 24 in standard conditions. Typical variation of value (95% confidence)

Load Life

+0%, -5%

Environmental conditions: T^a 50°C. Voltage applied: The maximum admissible for each value related to the maximum power (See our brochure to check the maximum power for each type of potentiometers). Measures: : Initial measure of the resistance value at standard conditions. Measuring the resistance value at 100h, 250h, 500h and 1.000h to check the advance. The potentiometers are stabilised at 23°C, 50% Hr during 24 hours, and, afterwards they resistance is measured for every time. Typical variation of value (95% confidence)

Mechanical (cycles)

±5%

Environmental conditions 23°C. Cycles: 10.000 . Speed: 10 rpm. Typical variation of value (95% confidence)

Soldering Effect

±1%

Initial measure of the resistance value at standard conditions. Immerse the potentiometers at 350° ±10C during 2 sg. The potentiometers are stabilised at 23°C, 50% Hr during 24 hours, and, afterwards they resistance is measured Typical variation of value (95% confidence)

Storage (3 years)

±3%

Initial measure of the resistance value at standard conditions. Store the potentiometers during 3 years at 23°C, 50% Hr. Measuring of the total variation of value at 1st year, 2nd year and 3rd year. Typical variation of value after 3 years (95% confidence)

Damp Heat

+5%, -2%

Environmental conditions: T^a 40°C, Hr 95%. Measures: Initial measure of the resistance value at standard conditions. Measuring the resistance value at 100h, 250h, and 500h to check the advance. The potentiometers are stabilised at 23°C , 50% Hr during 24 hours, and, afterwards they resistance is measured for every time. Typical variation of value (95% confidence)

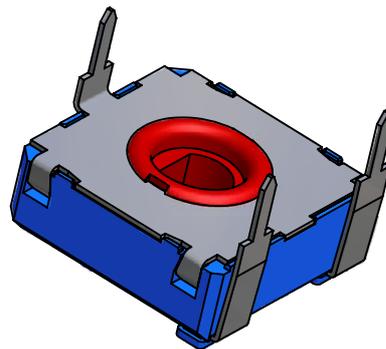
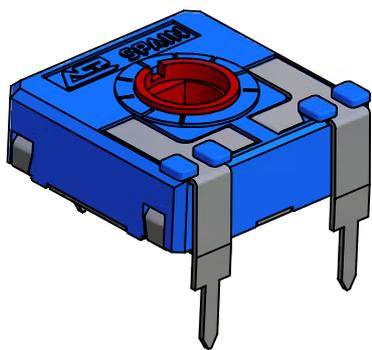
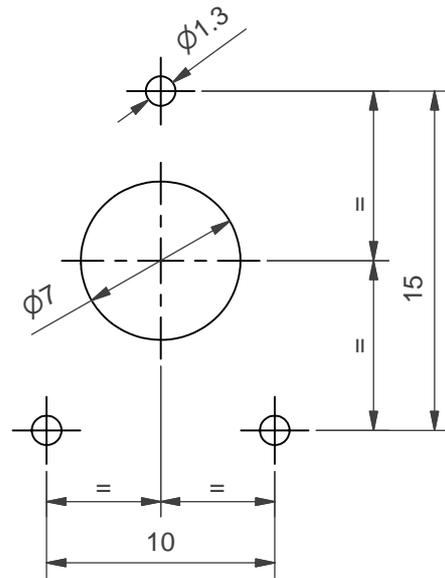
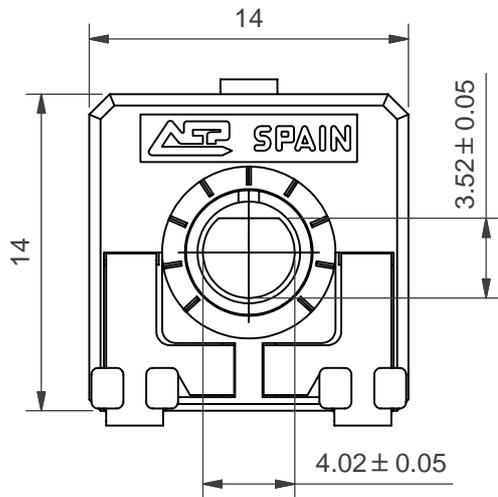
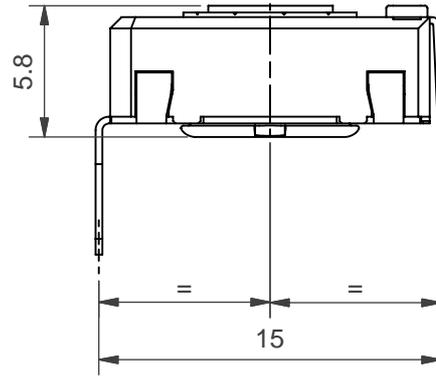
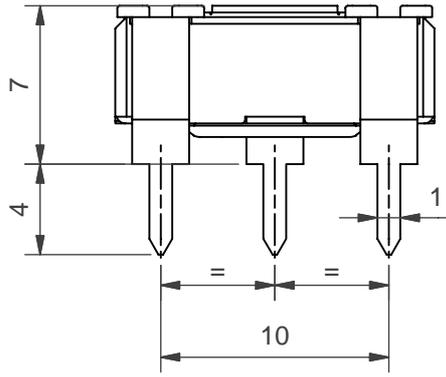
ANNEXED

Drawing Code

N° PLANO 02-0738

Modifications to customer's specific requirements will be discussed and agreed with the customer. General specifications that are also shown on the catalogue -and which are not customer specific- will be updated on www.acptechnologies.com General specifications are for reference only and are subject to change without notice.

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					Fecha	Nombre	 ARAGONESA DE COMPONENTES PASIVOS S.A.	Referencia Artículo
				Creado	10/06/2010	CEM		
				Revisado				Revisión
				TOLERANCIA GENERAL Angular / Lineal ±1°		ESCALA	CA14FV15 RT-RO	Nº Plano
					$< 1 \pm 0,1$ $1..10 \pm 0,3$ $> 10 \pm 0,5$			02-0738
Estado	Cambios	Fecha	Nombre	REF. DOCUMENTO :				