

Approval Sheet

for

Power Wirewound Resistors

PSP & PSM series

$\pm 5\%$ & $\pm 10\%$

YAGEO CORPORATION

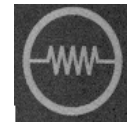
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1. PRODUCT:

1. Power Wirewound Resistors. Fiber Glass Core and with Ceramic Case. Wirewound construction, Insulated and Flameproof

(PSP & PSM SERIES)

2. PART NUMBER:

Part number of the cement resistor is identified by the name, power, tolerance, packing, temperature coefficient and resistance value.

Example :

PSP	400	J	B	-	100R
(1)	(2)	(3)	(4)	(5)	(6)
Series	Power	Resistance	Packing	Temperature	Resistance
Name	Rating	Tolerance	Style	Coefficient	Value
				of Resistance	

(1) Style : PSP SERIES: Axial Type
PSM SERIES: Vertical Type

(2) Power Rating : 400=4W 、 500=5W 、 7WS=7W 、 700=7W 、 900=9W

(3) Tolerance : J = $\pm 5\%$ 、 K = $\pm 10\%$

(4) Packaging Type : B = Bulk Packing

(5) Temperature Coefficient : - = Based on spec.

(6) Resistance Value : E24 Series

Example : 0R1, 1R 、 10R 、 100R 、 10K.....

3. ELECTRICAL CHARACTERISTICS

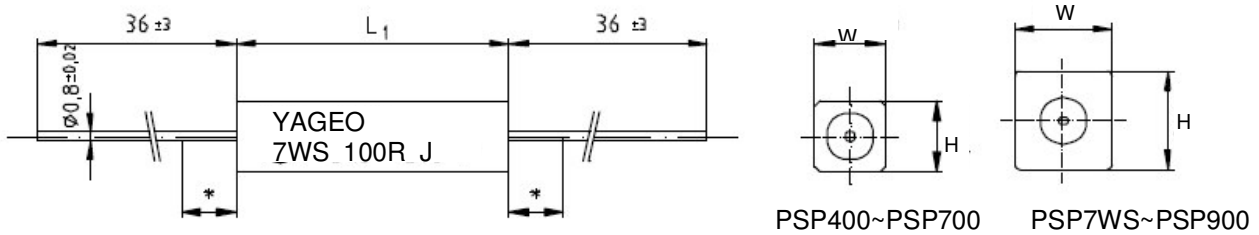
STYLE	PSP400	PSP500	PSP7WS	PSP700	PSP900
Power Rating at 70 °C	4W	5W	7W	7W	9W
Resistance range	0R1~2K5	0R1~2K7	0R1~2K7	0R3~3K9	0R3~3K9
Operating Temp. Range	- 55 °C to + 155 °C				
Temperature Coefficient	±400ppm/°C				

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Operating Temp. Range	- 55 °C to + 155 °C				
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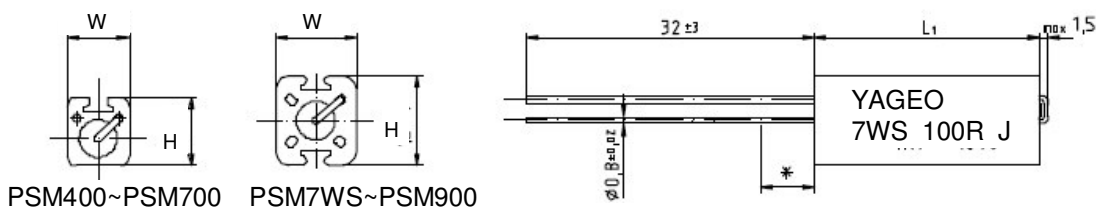
* Below or over this resistance range on request.

4. DIMENSIONS

PSP Series

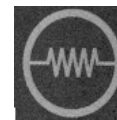


PSM Series



Unit : mm

TYPE	L1	W	H
PSP400	20±1.0	7.0 ± 0.5	8.0 ± 0.4
PSP500	25±1.0	7.0 ± 0.5	8.0 ± 0.4
PSP700	38±1.0	9.0 ± 0.4	10.0 ± 0.4
PSP7WS	25±1.0	7.0 ± 0.5	8.0 ± 0.4
PSP900	38±1.0	10.0 ± 0.4	10.0 ± 0.4



5. ENVIRONMENTAL CHARACTERISTICS

Characteristics	
Parameters	Specifications
Max. Cont. Work. Voltage	$\sqrt{P70 \times R}$
Insulation Voltage	2000V
Insulation Resistance	$\geq 1G\Omega$
Temperature Range	-55~+155°C
Derating	Liner 70°C to 275°C, and the power rating from 100% to 0%
Load Life (P70, 70°C, 1000hrs)	$\Delta R \leq \pm (5\%R + 0.1R)$
Dampheat, steady state (40°C, 93%, r, h, 21d)	$\Delta R \leq \pm (5\%R + 0.1R)$
Resistance to soldering heat	$\Delta R \leq \pm (1\%R + 0.05R)$
Terminal Tensile Strength (50N)	$\Delta R \leq \pm (1\%R + 0.05R)$
Solderability	260°C \pm 5°C, 5 \pm 0.5s

6. Plant Address

- A. Taiwan Xindian Plant
 3F, No.5, Lane 560, Chung Cheng Road,
 Xindian Taipei, Taiwan, ROC
 (台北縣新店市中正路 560 巷 5 號 3 樓)
 Tel. 886-2-2218-2139
 Fax. 886-2-6629-8898
- B. China Dongguan Plant
 7-1, Gaoli Road, Gaoli Industrial Zone
 Tangxia Zhen, Dongguan, Guangdong, China
 (廣東省東莞市塘廈鎮高麗工業區高麗路 7-1 號)
 Tel. 86-769-8772 0275
 Fax. 86-769-8772 0275 #4333
- C. China MuDu Plant
 No.158, Fengjiang Road, No.1 Building of NanBangIND.Zone,
 Mu Du New District, Suzhou, China
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