

Approval Sheet

for

Power Wirewound Resistors

PSP & PSM series

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

YAGEO CORPORATION

Headquarters: 3F, No.233-1, Pao Chiao Rd., Xindian, Taipei, Taiwan, R.O.C.

Tel: 886-2-2917-7555 **Fax:** 886-2-2917-0100

Xindian Plant: 3F, No.5, Lane 560, Chung Cheng Rd., Xindian Taipei, Taiwan, R.O.C

Tel: 886-2-2218-2139 **Fax:** 886-2-6629-8898

URL: www.yageo.com

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 Name	Power Rating	Resistance Tolerance	Packing Style	Temperature Coefficient of Resistance	Resistance Value

(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

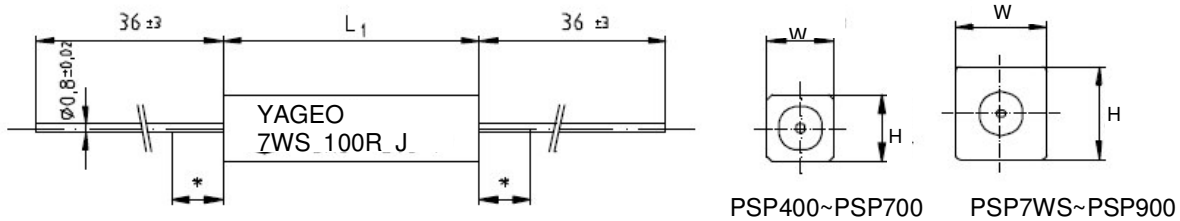
STYLE	PSP400	PSP500	PSP7WS	PSP700	PSP900
Power Rating at 70 °C	4W	5W	7W	7W	9W
Resistance range	0R1~2K5	0R1~2K7	0R1~2K7	0R3~3K9	0R3~3K9
Operating Temp. Range	- 55 °C to + 155 °C				
Temperature Coefficient	±400ppm/°C				

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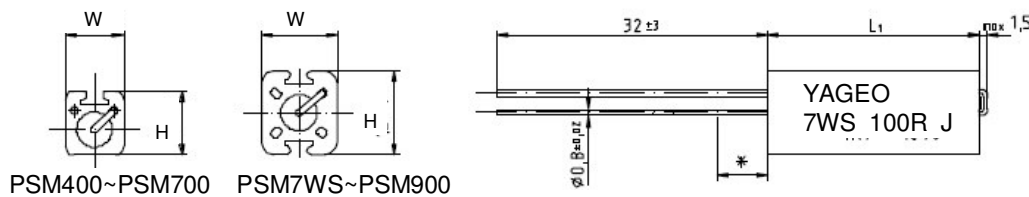
* Below or over this resistance range on request.

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	$\geq 1\text{G}\Omega$
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 ± 5°C, 5 ± 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
(江蘇省蘇州市木瀆新區楓江路 158 號南濱工業區 1 號)
Tel. 86-512-66518889
Fax. 86-512-66519889