

Approval Sheet

for

**Jumper Wires
Tinned-Copper Wire Type**

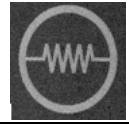
JPW series

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Rev.	Description	Issue Date	Drawn	Approved
00	issue new spec.	Mar 4, 2009	Lynn Chen	Ken Hsu
01	Adjust the dimensions	Apr 28, 2010	Sara Lin	Ken Hsu
02	Cover page is adjusted. "73-" type is deleted. Specifications table is changed.	Mar 09, 2011	Feng Ye	Ken Hsu
03	Added special forming type	May 19, 2013	Feng Ye	Flora Shen
04	Delete M5035 and M5235 types	Aug 29, 2013	Feng Ye	Flora Shen
05	Update reel type dimension A , Add dimension B	Jan 15, 2020	Hui chen	Feng Ye

Description	Jumper Wires, Tinned-Copper Wire Type		
Series	JPW	Rev.	05

1. PRODUCT :
TINNED-COPPER JUMPER WIRES

2. PART NUMBER :

Part number of the Tinned-Copper Jumper Wires is identified by the name, power, tolerance, packing, temperature coefficient, special type.

Example :

JPW	-06	-	B	-	M504
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Power Rating	Resistance Tolerance	Packing Style	Temperature Coefficient of Resistance	Special Type

(1) Style : JPW SERIES

(2) Power Rating : -05 = 0.5mm 、 -06 = 0.6mm 、 -07 = 0.7mm 、 -08 = 0.8mm 、 -10 = 1.0mm

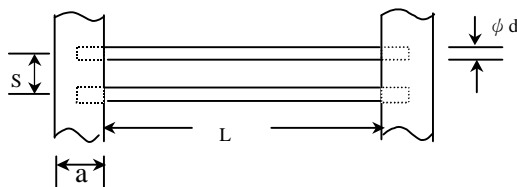
(3) Tolerance : None

(4) Packaging Type : R = Paper Taping Reel
T = Tape on Box Packing
B = Bulk Packing

(5) Temperature Coefficient : None

(6) Special Type : 26- = 26mm
52- = 52.4mm
M = M type forming for Bulk
M504 = M type forming with P=5.0±1.0mm, H=4±0.5mm for Bulk
(All special types refer to Item 7 on page 5)

3. DIMENSIONS & PACKING METHODS



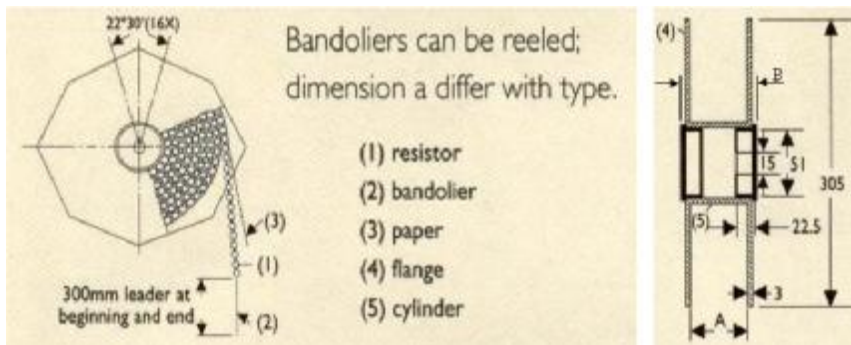
Unit : mm

STYLE	ϕd	L		S	a
JPW-05	0.5±0.05	26±1	52.4 ±1	5 ± 0.1	6.0 ± 0.5
JPW-06	0.6±0.05	26±1	52.4 ±1		
JPW-07	0.7±0.05	26±1	52.4 ±1		
JPW-08	0.8±0.05	26±1	52.4 ±1		
JPW-10	1.0±0.05	26±1	52.4 ±1		

4. SPECIFICATIONS

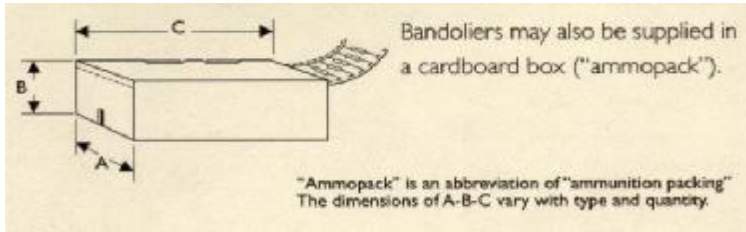
Material of Jumper Wire	Soft Copper wire with Tin plating	
Wire Diameter	$\psi 0.5$ · $\psi 0.6$ · $\psi 0.7$ · $\psi 0.8$ · $\psi 1.0$ ($\pm 0.05\text{mm}$)	
Tension Strength	CNS 8938 within $28\text{kg}/\text{mm}^2$	
Extension Rate	CNS 8938 $\psi 0.5 \sim \psi 0.6 \text{ mm}$	over 24%
	CNS 8938 $\psi 0.7 \sim \psi 1.0 \text{ mm}$	over 26%
Conductivity	$\psi 0.5 \text{ mm}$	Minimum 94%
	$\psi 0.6 \sim \psi 1.0 \text{ mm}$	Minimum 96%
Twisting Strength	CNS 8938 $\psi 0.5 \text{ mm}$	Load 250 g 3 cycles
	CNS 8938 $\psi 0.6 \sim \psi 0.8 \text{ mm}$	Load 500 g 3 cycles
	CNS 8938 $\psi 1.0 \text{ mm}$	Load 1.0kg 3 cycles
Solderability	$235^\circ\text{C} \pm 5^\circ\text{C}$, $5 \pm 0.5 \text{ sec.}$	Coverage 95%
Element of Plating	Tin Minimum 99.9 %	
Thickness of Plating	$4 \pm 1 \mu\text{m}$	
	$\psi 0.5 \text{ mm}$	6 AMPS at 70°C
	$\psi 0.6 \text{ mm}$	7.5 AMPS at 70°C
	$\psi 0.7 \text{ mm}$	8.5AMPS at 70°C
	$\psi 0.8 \text{ mm}$	10 AMPS at 70°C
	$\psi 1.0 \text{ mm}$	15 AMPS at 70°C
Appearance	Smooth and Shining	

5. TAPE ON REEL PACKING



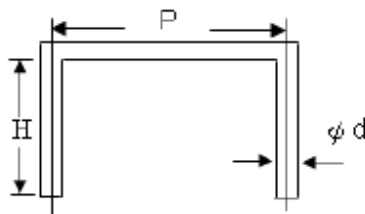
STYLE	A	B	Qty per reel
JPW-05	66.5	75.5	10,000
JPW-06	66.7 87	75.5 96	10,000
JPW-07			10,000
JPW-08			10,000
JPW-09			10,000
JPW-10			5,000

6. TAPE ON BOX PACKING

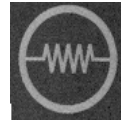


STYLE	Standard Lead Length				Short Lead Length			
	W (A)	H (B)	L (C)	Qty per box	W (A)	H (B)	L (C)	Qty per box
JPW-05	78	115	260	10,000	48	68	255	5,000
JPW-06	78	115	260	10,000	48	68	255	5,000
JPW-07	78	115	260	10,000	48	68	255	5,000
JPW-08	81	70	260	5,000	48	68	255	5,000
JPW-10	81	70	260	5,000	48	68	255	5,000

7. SPECIAL TYPE (FORMING DIMENSIONS): M type forming



Style	ψd	Special Type (Code)	Dimensions Unit:mm
JPW-05	0.5±0.05	M504	P = 5.0±1.0, H = 4.0±0.5
JPW-06	0.6±0.05	M5010	P = 5.0±1.0, H = 10.0±1.0
		M504	P = 5.0±1.0, H = 4.0±0.5
		M804	P = 8.0±1.0, H = 4.0±0.5
		M75010	P = 7.5±1.0, H = 10.0±0.5
JPW-07	0.7±0.05		
JPW-08	0.8±0.05		
JPW-10	1.0±0.05		



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