

DATA SHEET

JUMPER WIRE Tinned Copper Wire JPW Series ¢0.5, ¢0.6, ¢0.7, ¢0.8, ¢1.0 RoHS compliant & Halogen Free



Product specification – September 27, 2023 V.3

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114 III: NOITATE DUIDRAN AGEO , Through Hole Resistors

Jumper Wires

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APPLICATIONS

 All general purpose applications

FEATURES

- Suitable for automatic machine insertion
- RoHS compliant & halogen-free

ORDERING INFORMATION

Part number of the tinned copper wires are identified by the series, wire diameter, tolerance, packing, temperature coefficient and forming.

PART NUMBER

JPW	-06	-	т	-	52-
(1)	(2)	(3)	(4)	(5)	(6)

(1) SERIES

JPW Series

(2 Wire Diameter

-05 = 0.5mm -06 = 0.6mm -07 = 0.7mm -08 = 0.8mm -10 = 1.0mm

(3) TOLERANCE

- = Based on spec.

(4) PACKAGING

R = Reel Pack	B = Bulk
T = Box Pack	

(5) TEMPERATURE COEFFICIENT OF RESISTANCE

- = Based on spec.

(6) FORMING

- 26- = 26mm
- 52- = 52.4mm
- 73- = 73mm
- M = M-Type Forming
- M504 = M type forming, P= 5.0 ± 1.0 mm, H= 4 ± 0.5 mm

(For all types please refer to page 6)



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DIMENSIONS

								Unit: mm
		Normal	ψd	L			S	а
\sim	\sim	JPW-05	0.5 ±0.05	26±1	52.4±1	-		
<u>s</u>		JPW-06	0.6 ±0.05	26±1	52.4±1	-		
k		JPW-07	0.7 ±0.05	26±1	52.4±1	73±1.5	5±0.1	6±0.5
	7 V	JPW-08	0.8 ±0.05	26±1	52.4±1	73±1.5		
		JPW-10	1.0 ±0.05	26±1	52.4±1	73±1.5		

ELECTRICAL CHARACTERISTICS

CHARACTERISTICS	JPW			
Material of Jumper Wire	Soft copper wire with tin plating			
Wire Diameter	ø0.5, ø0.6, ø0.7, ø0.8, ø1.0 (±0.05m	m)		
Tension Strength	CNS 8938 within 28kg/mm ²			
	CNS 8938 Ø0.5 to Ø0.6mm	over 24%		
Extension Rate	CNS 8938 Ø0.7 to Ø1.0mm	over 26%		
	ø0.5mm	Minmum 94%		
Conductivity	ø0.6 to ø1.0mm	Minimum 96%		
	CNS 8938 ψ0.5 mm	Load 250 g 3 cycles		
	CNS 8938 ψ0.6 ~ψ0.8 mm	Load 500 g 3 cycles		
Twisting Strength	CNS 8938 ψ1.0 mm	Load 1.0kg 3 cycles		
Solderability	245°C ± 5°C , 5 ± 0.5 sec. Coverage 95% Min			
Element of Plating	Tin Minimum 99.9%			
Thickness of Plating	4±1µm			
	ø0.5mm	6 AMPS at 70°C		
	ø0.6mm	7.5 AMPS at 70°C		
	ø0.7mm	8.5 AMPS at 70°C		
	ø0.8mm	10 AMPS at 70°C		
Current Rating	ø10mm	15 AMPS at 70°C		
Appearance	Smooth and shining			



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TAPE ON REEL PACKING



TYPE		Unit: mm/piece	
Normal	Across Flange(A)	В	Quantity Per Reel
JPW-05	66.5	75.5	10,000
JPW-06	66.5	75.5	10,000
JPW-07	66.5	75.5	10,000
JPW-07	87	96	10,000
JPW-08	66.5	75.5	10,000
JPW-08	87	96	10,000
JPW-10	66.5	75.5	5,000
JPW-10	87	96	5,000



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TAPE ON BOX PACKING



Unit: mm/piece

Normal	Α	В	С	Quantity Per Box
JPW-05	48	68	255	5,000
JPW-05	78	115	260	10,000
JPW-06	48	68	255	5,000
JPW-06	78	115	260	10,000
JPW-07	48	68	255	5,000
JPW-07	78	115	260	10,000
JPW-08	48	68	255	5,000
JPW-08	81	70	260	5,000
JPW-10	48	68	255	5,000
JPW-10	81	70	260	5,000

BULK PACKING

Normal	Piece/Per Inner Box	Bag/Per Inner Box	Piece Per Bag
JPW-05	10,000	10	1,000
JPW-06	10,000	10	1,000
JPW-07	10,000	10	1,000
JPW-08	10,000	10	1,000
JPW-10	10,000	10	1,000



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M TYPE



TYPE	DIMENSIONS			Unit: mn
Normal	ψd	Р	Н	Forming code
JPW-05	0.5±0.05	5.0±1.0	4.0±0.5	M504
		5.0±1.0	10.0±1.0	M5010
		5.0±1.0	4.0±0.5	M504
JPW-06	0.0.005	8.0±1.0	4.0±0.5	M804
	0.6±0.05	7.5±1.0	10.0±0.5	M75010
		14.0±1.0	3.5±1.0	M14035
		16.5±1.0	3.5±1.0	M165035
JPW-07	0.7±0.05			
JPW-08	0.8±0.05			
JPW-10	1.0±0.05			



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GEO Thro	ough Hole Resist	ors	Product Specification
Jum	per Wires	JPW	
REVISION	HISTORY		
REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 3	Sep.5, 2023	-	 Update legal disclaimer and footer version numbers
Version 2	Apr. 6, 2022		- Update M75010 forming code
Version 1	Mar.10, 2022		-Add M14035& M165035 forming code
Version 0	Aug.2, 2021	-	- First issue of this specification

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