



Premium PV Tabbing Ribbon

We offer softer, smoother and ultra long durable ribbons that create superior electrical conductivity and easy-to-tab workability. Our product minimizes the damage to cells while maximizing your productivity. Various dimensions and solder types are available to serve your needs.

Interconnect Ribbon

Buss Bar

Preformed L Shape Buss

Materials

CDA-102 (UNS-C10200),
Oxygen-Free-Copper OFHC,
purity over 99.96%

Electrical conductivity	Over 97% at 20 °C
Electrical resistivity	1.68 x 10 ⁻⁸ Ωm at 20 °C
Density	8.94 g/cm ³
Thermal conductivity	391 W/(m*K) at 20 °C
Coefficient of thermal expansion	17.7 x 10 ⁻⁶ /K at 20 °C

Product Specifications

- Base metal thickness: 0.1 mm– 0.5 mm, +/- 10 µm
- Base metal width: 1 mm – 10 mm, +/- 100 µm
- Coating thickness: 20 µm or 40 µm/side
- Total tolerance after coating: +/- 20 µm on thickness; +/- 150 µm on width

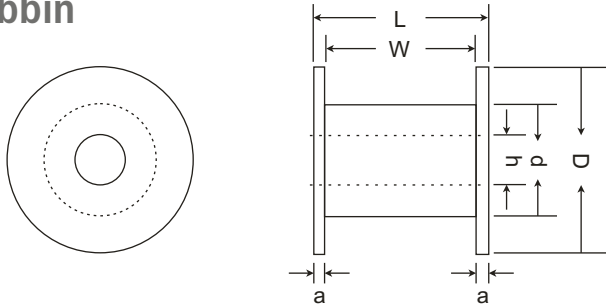
Regular Solder Coatings

Solder Alloys	Solid Phase Temperature	Liquid Phase Temperature	
SnPb 60/40	183 °C	190 °C	Leaded
SnPbAg 62/36/2	178 °C	180 °C	Leaded
SnAgCu 96.5/3.0/0.5	217 °C	219 °C	Lead Free
SnCu 99.3/0.7	230 °C	240 °C	Lead Free

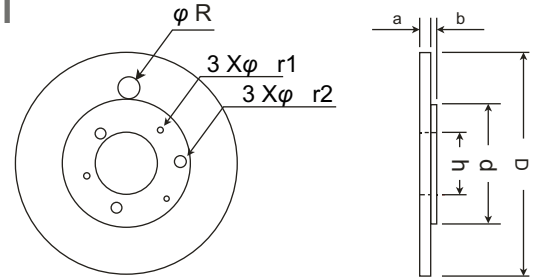
Packaging

Interconnect and bus bar ribbons are wound onto a Bobbin or Spool, weight between 2.5kg to 4.5kg. The Bobbin and Spool dimensions can be viewed below.

Bobbin



Spool



Bobbin

No.	D (mm)	d (mm)	L (mm)	W (mm)	a (mm)	h (mm)	Tare (g)
P5-R	160±0.5	90±0.5	114±0.6	90±0.2	12±0.2	20±0.5, -0	390
P3-R	130±0.5	80±0.5	110±0.6	90±0.2	10±0.2	20±0.5, -0	250

Spool

D (mm)	d (mm)	h (mm)	a (mm)	b (mm)	R (mm)	r1 (mm)	r2 (mm)	Tare (g)
380±1	180±1	100±1	2.5±0.5	1.5±0.5	34φ	8φ	15φ	590
420±1	180±1	100±1	2.5±0.5	1.5±0.5	34φ	8φ	15φ	700

Other DIN 46 399 standard spools are also available.

Requirements for Success

Please contact our staff to discuss your requirements on:

- Base copper dimensions
- Solder option and thickness
- Temper
- Packaging option

Special orders are available upon request.



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