| Spec. No.: RMPC-K-HTS-0001 /2 Date: 2017.1.10 |
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| |
| cation |
| CHIP RESISTORS; AND Pb<100ppm |
| 2,35 |
| ANCE ITEM timony Free |
| specification out notice using Specification for any quality act our sales staff. |
| Барара Карана Карана AMAAYA ELECTRIC CO., LTD. Hokkaido Research Center Approval by: T. Sannomiya Drawing by: M. Shibuya |
| |

Drawing No: RMPC-K-HTS-0001 /2

Style

FIXED THICK FILM CHIP RESISTORS; RECTANGULAR TYPE AND Pb<100ppm Title: RMPC04,06,10,16,20,32,35

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1. Scope

1.1 This specification covers the detail requirements for fixed thick film chip resistors; rectangular type, style of RMPC04, 06, 10, 16, 20, 32, 35.

1.2 Applicable documents

JIS C 5201-1: 2011, JIS C 5201-8: 2014, JIS C 5201-8-1: 2014 IEC60115-1: 2008, IEC60115-8: 2009, IEC60115-8-1: 2014 EIAJ RC-2134C-2010

2. Classification

(Example)

Type designation shall be the following form.

| | | 0 | | | | |
|----|-------|----|---|-----|---|----|
| 1) | RMPC | 16 | | 123 | J | TP |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| | Style | e | | | | |
| 2) | RMPC | 16 | | JP | | TP |
| | 1 | 2 | | 4 | | 6 |
| | Style | е | | | | |

1 Fixed thick film chip resistors; rectangular type & Pb<100ppm

2 Dimension

3 Temperature coefficient of resistance

-(Dash) Standard

4 Rated resistance

| 123 | E24 Series, 3 digit, | Ex. 123> 12kΩ, |
|------|----------------------|----------------|
| 1000 | E96 Series, 4 digit, | Ex. 1000>100Ω |
| | | 1022> 10.2kΩ |
| JP | Chip jumper | |

5 Tolerance on rated resistance

| F | ±1% |
|---|-----|
| J | ±5% |
| | |

6 Packaging form

| В | Bulk (loose package) | | |
|----|----------------------|--|--|
| PA | Press pocket taping | | |
| TH | Denertening | | |
| TP | Paper taping | | |
| TE | Embossed taping | | |
| | | | |

Drawing No: RMPC-K-HTS-0001 /2

Title: FIXED THICK FILM CHIP RESISTORS; RECTANGULAR TYPE AND Pb<100ppm RMPC04,06,10,16,20,32,35

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3. Rating

3.1 The ratings shall be in accordance with Table-1.

| | Rated | Tomporati | Table-1 | | Preferred | |
|-----------|--------------------|--|-----------|-------------------------------|--------------------------------|----------------------------------|
| Style | dissipation (W) | Temperature coefficient of resistance (10 ⁻⁶ /°C) | | Rated resistance range (Ω) | number series for resistors | Tolerance on rated resistance |
| | | | ±200 | 100~1M | E24 E06 | E(±10/) |
| RMPC04 | 0.03 | Standard | +600~0 | 10~97.6k | E24, E96 | F(±1%) |
| KIVIF C04 | 0.03 | Stanuaru | ±200 | 10k~1M | E24 | |
| | | | +600~0 | 10~9.1k | E24 | J(±5%) |
| | | | ±200 | 100~1M | | |
| | | | +600~0 | 10~97.6 | E24, 96 | F(±1%) |
| RMPC06 | 0.05 | Standard | +800~-100 | 1~9.76 | | |
| RIVIPCUO | 0.05 | Standard | ±200 | 100~10M | | |
| | | | +600~0 | 10~91 | E24 | J(±5%) |
| | | | +800~-100 | 1~9.1 | | |
| | | | ±200 | 100~1M | | |
| | | | +500~-200 | 10~97.6 | E24, 96 | F(±1%) |
| | 0.000 | Oteraterat | +800~-100 | 1~9.76 | | · · · · · |
| RMPC10 | 0.063 | Standard | ±200 | 100~10M | | J(±5%) |
| | | | +600~0 | 10~91 | E24 | |
| | | | +800~-100 | 1~9.1 | | |
| | | 0.1 Standard | ±200 | 100~1M | E24, 96 | F(±1%) J(±5%) |
| | | | +500~-200 | 10~97.6 | | |
| | | | +800~-100 | 1~9.76 | | |
| RMPC16 | 0.1 | | ±200 | 100~10M | | |
| | | | +600~0 | 10~91 | E24 | |
| | | | +800~-100 | 1~9.1 | | |
| | | | ±200 | 100~1M | E24, 96 | F(±1%) |
| | | | +500~-200 | 10~97.6 | | |
| | 0.405 | Oteraterat | +800~-100 | 1~9.76 | | |
| RMPC20 | 0.125 | Standard | ±200 | 100~10M | | |
| | | | +600~0 | 10~91 | E24 | J(±5%) |
| | | | +800~-100 | 1~9.1 | | |
| | | | ±200 | 100~1M | | |
| | | | +500~-200 | 10~97.6 | E24, 96 | F(±1%) |
| | 0.05 | Oteraterat | +800~-100 | 1~9.76 | | . (,0) |
| RMPC32 | 0.25 | Standard | ±200 | 100~10M | | |
| | | | +600~0 | 10~91 | E24 | J(±5%) |
| | | | +800~-100 | 1~9.1 | | \``´` |
| | ±200 100~1M | | | | | |
| | | | +500~-200 | 10~97.6 | E24, 96 | F(±1%) |
| | 0.00 | | +800~100 | 1~9.76 | · · · | |
| RMPC35 | 0.33 | Standard | ±200 | 100~10M | E24 | |
| | | | +600~0 | 10~91 | | J(±5%) |
| | | | +800~-100 | 1~9.1 | | -(|

Product specification contained in this specification are subject to change at any time without notice.

Drawing No: RMPC-K-HTS-0001 /2

Title: FIXED THICK FILM CHIP RESISTORS; RECTANGULAR TYPE AND Pb<100ppm RMPC04,06,10,16,20,32,35

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| | | Ta | ble-1(2) |
|--------|---------------------------------|--------------------------|------------------------------------|
| Style | Limiting element voltage (V) | Isolation voltage (V) | Category temperature range (°C) |
| RMPC04 | 15 | 50 | |
| RMPC06 | 25 | 50 | |
| RMPC10 | 100 | 100 | |
| RMPC16 | 100 | 100 | -55~+125 |
| RMPC20 | 150 | | |
| RMPC32 | 200 | 500 | |
| RMPC35 | 200 | | |

Note. Rated current of chip jumper: RMPC04: 0.5(A), RMPC06,10: 1(A), RMPC16,20,32,35: 2(A) Note. Resistance value of chip jumper: 50 m Ω max.

3.2 Climatic category

| 55/125/56 | Lower category temperature | −55 °C |
|-----------|--|---------|
| | Upper category temperature | +125 °C |
| | Duration of the damp heat, steady state test | 56days |
| | | |

3.3 Stability class

5%

| Limits for change of resistance: | | | | |
|----------------------------------|-------------|---------------------------------|--|--|
| -for long-term tests | ±(5%+0.1Ω) | Chip jumper: 50 m Ω max. | | |
| -for short-term tests | ±(1%+0.05Ω) | Chip jumper: 50 m Ω max. | | |

3.4 Derating

The derated values of dissipation (or current rating in case of chip jumper) at temperature in excess of 70 °C shall be as indicated by the following curve.

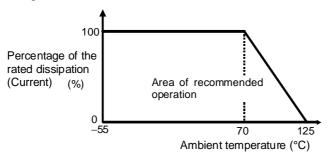


Figure-1 Derating curve

3.5 Rated voltage

d. c. or a. c. r. m. s. voltage calculated from the square root of the product of the rated resistance and the rated dissipation.

 $E = \sqrt{P \cdot R}$

E : Rated voltage (V) P : Rated dissipation (W) R : Rated resistance (Ω)

Limiting element voltage can only be applied to resistors when the resistance value is equal to or higher than the critical resistance value.

At high value of resistance, the rated voltage may not be applicable.

If you have any questions or a Purchasing Specification for any quality agreement is necessary, please contact our sales staff.

Issue: KAMAYA ELECTRIC CO., LTD. Research & Development Department HOKKAIDO Research center Last update: 2017.1.10

Drawing No: RMPC-K-HTS-0001 /2

Title: FIXED THICK FILM CHIP RESISTORS; RECTANGULAR TYPE AND Pb<100ppm RMPC04,06,10,16,20,32,35

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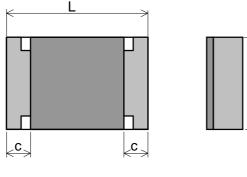
4. Packaging form

The standard packaging form shall be in accordance with Table-2.

| | | Table-2 | | |
|-------------------|----------------------|------------------------|--|--------------------------|
| Symbol | Packaging form | | Standard packaging quantity / units | Application |
| В | Bulk (loose package) | | 1,000 pcs. | RMPC04,06,10,16,20,32,35 |
| PA | Press pocket taping | 8mm width, 2mm pitches | 20,000 pcs. | RMPC04 |
| PA (paper taping) | | (paper taping) | 15,000 pcs. | RMPC06 |
| TH | Paper taping | 8mm width, 2mm pitches | 10,000 pcs. | RMPC10 |
| TP | Paper taping | 8mm width, 4mm pitches | 5,000 pcs. | RMPC16,20,32 |
| TE | Embossed taping | 8mm width, 4mm pitches | 4,000 pcs. | RMPC35 |

5. Dimensions

5.1 The resistor shall be of the design and physical dimensions in accordance with Figure-2 and Table-3.



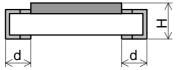


Figure-2

≥

| | | Table-3 | | U | nit : mm |
|--------|-------------------|----------------------|--------------------|-------------------|-----------------------|
| Style | L | W | Н | С | d |
| RMPC04 | 0.4±0.02 | 0.2 <u>+</u> 0.02 | 0.13±0.02 | 0.08±0.03 | 0.1±0.03 |
| RMPC06 | 0.6 <u>±</u> 0.03 | 0.3 <u>+</u> 0.03 | 0.23±0.03 | 0.1±0.05 | 0.15 <u>±</u> 0.05 |
| RMPC10 | 1.0±0.05 | 0.5±0.05 | 0.35±0.05 | 0.2 <u>+</u> 0.1 | 0.25 ^{+0.05} |
| RMPC16 | 1.6±0.1 | 0.8 ^{+0.15} | 0.45 <u>+</u> 0.10 | 0.3 <u>+</u> 0.1 | 0.3 <u>+</u> 0.1 |
| RMPC20 | 2.0±0.1 | 1.25±0.10 | 0.55±0.10 | 0.4 <u>+</u> 0.2 | 0.4 <u>+</u> 0.2 |
| RMPC32 | 3.1±0.1 | 1.6 <u>+</u> 0.15 | 0.55±0.10 | 0.5 <u>+</u> 0.25 | 0.5 <u>+</u> 0.25 |
| RMPC35 | 3.1±0.15 | 2.5 <u>±</u> 0.15 | 0.55±0.15 | 0.5 <u>+</u> 0.25 | 0.5 <u>+</u> 0.25 |

5.2 Net weight (Reference)

| Style | Net weight(mg) | | |
|--------|----------------|--|--|
| RMPC04 | 0.035 | | |
| RMPC06 | 0.16 | | |
| RMPC10 | 0.6 | | |
| RMPC16 | 2 | | |
| RMPC20 | 5 | | |
| RMPC32 | 9 | | |
| RMPC35 | 16 | | |

Product specification contained in this specification are subject to change at any time without notice.

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Title: FIXED THICK FILM CHIP RESISTORS; RECTANGULAR TYPE AND Pb<100ppm RMPC04,06,10,16,20,32,35

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6. Marking

The Rated resistance of RMPC04,06,10 should not be marked.

6.1 RMPC16,20,32,35

The nominal resistance shall be marked in 3 digits or 4 digits and marked on over coat side.

• RMPC20,32,35: E24 series: 3 digits, E96 series: 4 digits

In case of the resistance value that E96 overlaps with E24, It is marked by either.

• The Rated resistance of RMPC16 should not be marked in 4 digits.

| Marking example | Contents | Application |
|-----------------|--|---|
| 123 | $12 \times 10^3 \ [\Omega] \rightarrow 12 \ [k\Omega]$ | RMPC16,20,32,35 |
| 2R2 | 2.2 [Ω] | Less than 10Ω of RMPC16,20,32,35 |
| 5623 | $562 \times 10^{3} [\Omega] \rightarrow 562 [k\Omega]$ | RMPC20,32,35 |
| 12R7 | 12.7 [Ω] | RMPC20,32,.35 |

6.2 Marking example of Jumper Chip

| Marking example | Contents | Application |
|-----------------|----------|--------------|
| 0 | П | RMPC16,20,32 |
| 000 | JP | RMPC35 |

7. Performance

7.1 The standard condition for tests shall be in accordance with Sub-clause 4.2, JIS C 5201-1: 2011.

7.2 The performance shall be satisfied in Table-4.

| | | Table-4(1) | |
|-----|--------------------|---|--|
| No. | Test items | Condition of test (JIS C 5201–1) | Performance requirements |
| 1 | Visual examination | Sub–clause 4.4.1 Checked by visual examination. | As in 4.4.1 The marking shall be legible, as checked by visual examination. |
| 2 | Dimension | Sub-clause 4.4.2 | As specified in Table–3 of this specification. |
| | Resistance | Sub-clause 4.5 | As in 4.5.2 The resistance value shall correspond with the rated resistance taking into account the specified tolerance. Chip jumper: 50mΩ max. |
| 3 | Voltage proof | Sub-clause 4.7 Method: 4.6.1.4(See Figure-3) Test voltage: Alternating voltage with a peak value of 1.42 times the insulation voltage. Duration: 60 s ± 5 s Insulation resistance Test voltage: Insulation voltage Duration: 1 min. | No breakdown or flash over $R \ge 1 G \Omega$ |
| 4 | Solderability | Sub-clause 4.17 Without ageing Flux: The resistors shall be immersed in a non-activated soldering flux for 2s. Bath temperature: 235 °C ± 5 °C Immersion time: 2 s ± 0.5 s | As in 4.17.4.5 The terminations shall be covered with a smooth and bright solder coating. |

Product specification contained in this specification are subject to change at any time without notice.

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FIXED THICK FILM CHIP RESISTORS; RECTANGULAR TYPE AND Pb<100ppm Title: RMPC04,06,10,16,20,32,35

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| | | Table-4(2) | Performance requirements | | |
|----|----------------------------------|--|--|--|--|
| No | | Test items Condition of test (JIS C 5201–1) | | | |
| 5 | Mounting | Sub–clause 4.31 | | | |
| | | Substrate material: Epoxide woven glass | | | |
| | Overload | Sub–clause 4.13 | | | |
| | (in the mounted state) | The applied voltage shall be 2.5 times the | | | |
| | | rated voltage or twice the limiting element | | | |
| | | voltage, whichever is the less severe. | | | |
| | | Duration: 2 s | | | |
| | | Visual examination | No visible damage | | |
| | | Resistance | $\Delta R \leq \pm (1\% + 0.05\Omega)$ | | |
| | | | Chip jumper: $50m\Omega$ max. | | |
| | Solvent resistance of the | Sub–clause 4.30 | Legible marking | | |
| | marking | Solvent: 2–propanol | | | |
| | | Solvent temperature: $23 \degree C \pm 5 \degree C$ | | | |
| | | Method 1 | | | |
| | | Rubbing material: cotton wool | | | |
| | | Without recovery | | | |
| 6 | Mounting | Sub-clause 4.31 | | | |
| | Derived strength of the and face | Substrate material: Epoxide woven glass | | | |
| | Bound strength of the end face | Sub-clause 4.33 | | | |
| | plating | Bent value: 3 mm | AB < (19(+0.050)) | | |
| | | Resistance | $\Delta R \leq \pm (1\% + 0.05\Omega)$ | | |
| | Final measurements | Out aloung 4.00 C | Chip jumper: $50m\Omega$ max. | | |
| | T indimedsulements | Sub-clause 4.33.6 | No visible damage | | |
| 7 | Desistance to coldering boot | Visual examination | | | |
| 7 | Resistance to soldering heat | Sub-clause 4.18 | | | |
| | | Solder temperature: 260 °C ± 5 °C | | | |
| | | Immersion time: $10 \text{ s} \pm 0.5 \text{ s}$ Visual examination | As in 4.18.3.4 | | |
| | | VISUALEXAMINATION | No sign of damage such as cracks. | | |
| | | Resistance | $\Delta R \le \pm (1\% + 0.05\Omega)$ | | |
| | | | Chip jumper: $50m\Omega$ max. | | |
| | Component solvent resistance | Sub-clause 4.29 | Unip juniper. Junisz max. | | |
| | | Solvent: 2-propanol | | | |
| | | Solvent temperature: 23 °C ± 5 °C | | | |
| | | Method 2 | | | |
| | | Recovery: 48 h | | | |
| | | Visual examination | No visible damage | | |
| | | Resistance | $\Delta R \leq \pm (1\% + 0.05\Omega)$ | | |
| | | | Chip jumper: $50m\Omega$ max. | | |
| L | l | | | | |

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FIXED THICK FILM CHIP RESISTORS; RECTANGULAR TYPE AND Pb<100ppm Title: RMPC04,06,10,16,20,32,35

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| | Table-4(3) | | | | |
|----|---|--|--|--|--|
| No | Test items | Condition of test (JIS C 5201–1) | Performance requirements | | |
| 8 | Mounting Adhesion | Sub-clause 4.31 Substrate material: Epoxide woven glass Sub-clause 4.32 Force: 3N (RMPC04: 2N, RMPC06: 3N) | | | |
| | Rapid change temperature | Duration: $10 \text{ s} \pm 1 \text{ s}$ Visual examination Sub-clause 4.19 Lower category temperature: -55 °C Upper category temperature: $+125 \text{ °C}$ Duration of exposure at each temperature: 30 min. | No visible damage | | |
| | | Number of cycles: 5 cycles. Visual examination Resistance | No visible damage $\Delta R \le \pm (1\% + 0.05\Omega)$ Chip jumper: 50m Ω max. | | |
| 9 | Climatic sequence –Dry heat | Sub-clause 4.23 Sub-clause 4.23.2 Test temperature: +125 °C Duration: 16 h | | | |
| | –Damp heat, cycle (12+12hour cycle) First cycle | Sub-clause 4.23.3 Test method: 2 Test temperature: 55 °C [Severity(2)] | | | |
| | -Cold | Sub-clause 4.23.4 Test temperature -55 °C Duration: 2h | | | |
| | –Damp heat, cycle (12+12hour cycle) Remaining cycle | Sub-clause 4.23.6 Test method: 2 Test temperature: 55 °C [Severity (2)] Number of cycles: 5 cycles | | | |
| | –D.C. load | Sub-clause 4.23.7 The applied voltage shall be the rated voltage or the limiting element voltage whichever is the smaller. Duration: 1 min. Visual examination Resistance | No visible damage $\Delta R \leq \pm (5\%+0.1\Omega)$ Chip jumper: 50m Ω max. | | |

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FIXED THICK FILM CHIP RESISTORS; RECTANGULAR TYPE AND Pb<100ppm Title: RMPC04,06,10,16,20,32,35

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| | Table-4(4) | | | | | |
|----|---|--|--|--|--|--|
| No | Test items | Condition of test (JIS C 5201–1) | Performance requirements | | | |
| 10 | Mounting | Sub–clause 4.31 Substrate material: Epoxide woven glass | | | | |
| | Endurance at 70 °C | Sub-clause 4.25.1 Ambient temperature: 70 °C \pm 2 °C Duration: 1000 h The voltage shall be applied in cycles of 1.5 h on and 0.5 h. The applied voltage shall be the rated voltage or the limiting element voltage whichever is the smaller. Examination at 48 h , 500 h and 1000 h: Visual examination Resistance | No visible damage $\Delta R \leq \pm (5\%+0.1\Omega)$ Chip jumper: 50m Ω max. | | | |
| 11 | Mounting | Sub–clause 4.31 Substrate material: Epoxide woven glass Test substrate: Figure–3 | | | | |
| | Variation of resistance with temperature | Sub–clause 4.8 –55 °C / +20 °C +20 °C / +125°C | As in Table-1 | | | |
| 12 | Mounting | Sub–clause 4.31 Substrate material: Epoxide woven glass | | | | |
| | Damp heat, steady state | Sub-clause 4.24 Ambient temperature: 40 °C ± 2 °C Relative humidity : 93 ⁺²₋₃ % a) 1st group: without voltage applied. b) 2nd group: The d. c. voltage shall be applied continuously. The voltage shall be accordance with Sub-clause 4.24.2.1 b). without polarizing voltage [4.24.2.1, c)] Visual examination Resistance | No visible damage Legible marking $\Delta R \le \pm (5\%+0.1\Omega)$ Chip jumper: 50m Ω max. | | | |
| 13 | Dimensions (detail) Mounting Endurance at upper category temperature | Sub-clause 4.4.3 Sub-clause 4.31 Substrate material: Epoxide woven glass TSub-clause 4.25.3 Ambient temperature: $125 \degree C \pm 2 \degree C$ Duration: 1000 h | As in Table–3 | | | |
| | | Examination at 48 h, 500 h and 1000 h: Visual examination Resistance | No visible damage $\Delta R \le \pm (5\%+0.1\Omega)$ Chip jumper: 50m Ω max. | | | |

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- RMPC10,16,20,32,35

· RMPC04,06

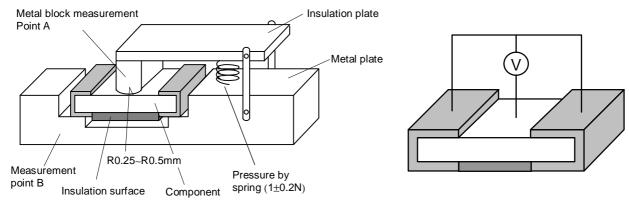


Figure-3

8. Taping

- 8.1 Applicable documents JIS C 0806-3: 2014, EIAJ ET-7200C: 2010
- 8.2 Taping dimensions
- 8.2.1 Press pocket taping (Paper taping, 8mm width, 2mm pitches) Taping dimensions shall be in accordance with Figure-4 and Table-5.

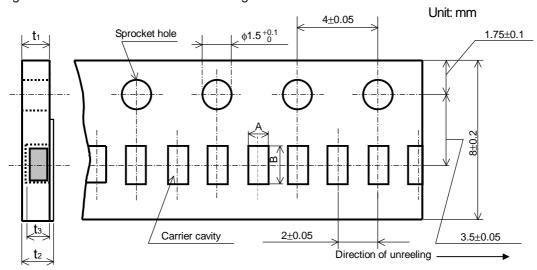


Figure-4

| Table-5 | | | | Unit: mm | |
|---------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Style | A | В | t 1 | t ₂ | t ₃ |
| RMPC04 | 0.24±0.03 | 0.45±0.03 | 0.31±0.03 | 0.36±0.03 | 0.15±0.02 |
| RMPC06 | 0.37 <u>±</u> 0.05 | 0.67 <u>±</u> 0.05 | 0.42 <u>+</u> 0.03 | 0.45 <u>+</u> 0.05 | 0.27 <u>±</u> 0.02 |

Product specification contained in this specification are subject to change at any time without notice.

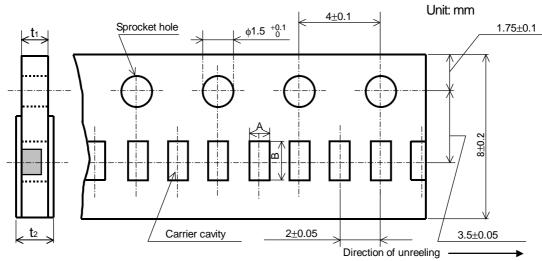
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8.2.2 Paper taping (8mm width, 2mm pitches)

Taping dimensions shall be in accordance with Figure-5 and Table-6.



| | | Figure–5 | | |
|--------|--------------------------------|--|----------------|----------|
| | | Table-6 | | Unit: mm |
| Style | A | В | t 1 | t 2 |
| RMPC10 | 0.65 ^{+0.05} -0.10 | 1.15 ^{+0.05} _{-0.10} | 0.4 ± 0.05 | 0.5max. |

8.2.3 Paper taping (8mm width, 4mm pitches)

Taping dimensions shall be in accordance with Figure-6 and Table-7.

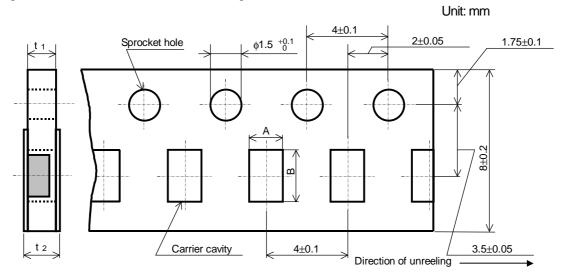


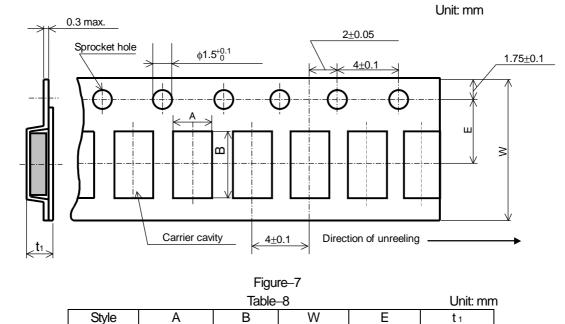
Figure-6

| | 0 | | | |
|-----------|-----------------------------|---|--|--|
| Table-7 | | | | |
| A | В | t 1 | t 2 | |
| 1.15±0.15 | 1.9 ± 0.2 | 0.6 ± 0.1 | 0.8max. | |
| 1.65±0.15 | 2.5±0.2 | 0.0.0.1 | 1.0000 | |
| 2.00±0.15 | 3.6 <u>+</u> 0.2 | 0.0±0.1 | 1.0max. | |
| | A 1.15±0.15 1.65±0.15 | A B 1.15±0.15 1.9±0.2 1.65±0.15 2.5±0.2 | A B t1 1.15±0.15 1.9±0.2 0.6±0.1 1.65±0.15 2.5±0.2 0.8±0.1 | |

Product specification contained in this specification are subject to change at any time without notice.

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8.2.4 Embossed taping dimensions shall be in accordance with Figure-7 and Table-8.

1). The cover tapes shall not cover the sprocket holes.

RMPC35

- 2). Tapes in adjacent layers shall not stick together in the packing.
- 3). Components shall not stick to the carrier tape or to the cover tape.
- 4). Pitch tolerance over any 10 pitches ±0.2mm.
- 5). The peel strength of the top cover tape shall be with in 0.1N to 0.5N on the test method as shown in the following RMPC04,06: Figure–8, RMPC10,16,20,32: Figure–9, RMPC35: Figure–10.

3.5±0.2

6). When the tape is bent with the minimum radius for 25 mm the tape shall not be damaged and the components shall maintain their position and orientation in the tape.

8.0±0.2

3.5±0.05

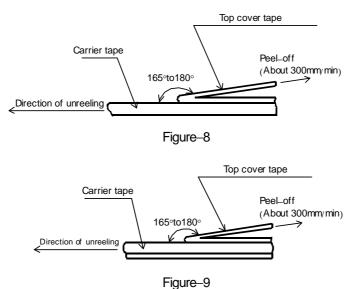
1.0±0.2

7). In no case shall there be two or more consecutive components missing.

The maximum number of missing components shall be one or 0.1%, whichever is greater.

8). The resistors shall be faced to upward at the over coating side in the carrier cavity.

2.85±0.20

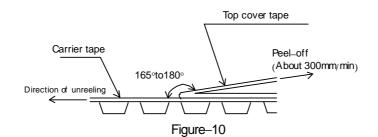


Product specification contained in this specification are subject to change at any time without notice.

Drawing No: RMPC-K-HTS-0001 /2

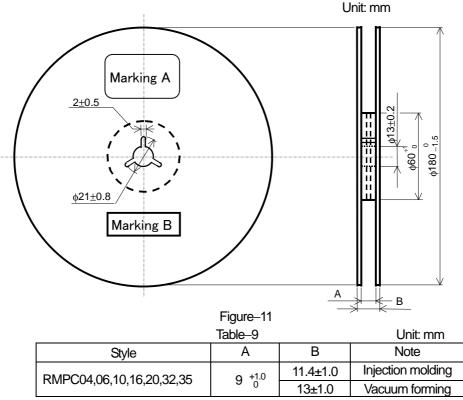
Title: FIXED THICK FILM CHIP RESISTORS; RECTANGULAR TYPE AND Pb<100ppm RMPC04,06,10,16,20,32,35

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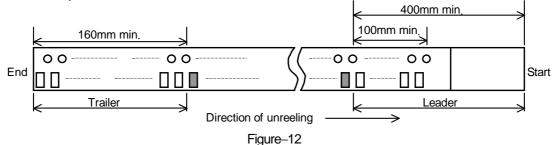
8.3 Reel dimension

Reel dimensions shall be in accordance with the following Figure–11 and Table–9. Plastic reel (Based on EIAJ ET–7200C)



Note: Marking label shall be marked on a place of Marking A or two place of marking A and B.

8.4 Leader and trailer tape.



Product specification contained in this specification are subject to change at any time without notice.

Drawing No: RMPC-K-HTS-0001 /2

Title: FIXED THICK FILM CHIP RESISTORS; RECTANGULAR TYPE AND Pb<100ppm RMPC04,06,10,16,20,32,35

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9. Marking on package

The label of a minimum package shall be legibly marked with follows.

9.1 Marking A

(1) Classification

(Style, Temperature coefficient of resistance, Rated resistance, Tolerance on rated resistance, Packaging form)

(2) Quantity (3) Lot number (4) Manufacturer's name or trade mark (5) Others

9.2 Marking B (KAMAYA Control label)

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 M55342K06B6E81RS3
 M55342K08B100DRWB
 M55342M05B200DRWB
 M55342M06B26E7RS3
 MC0603-511

 JTW
 742C083750JTR
 MCR01MZPF1202
 MCR01MZPF1601
 MCR01MZPF1800
 MCR01MZPF6201
 MCR01MZPF9102
 MCR01MZPJ113

 MCR01MZPJ121
 MCR01MZPJ125
 MCR01MZPJ203
 MCR01MZPJ751
 MCR01MZPJ822
 MCR03EZPJ103
 MCR03EZPFX1272

 MCR03EZPJ123
 MCR03EZPJ270
 MCR03EZPJ821
 MCR10EZPF1102
 MCR10EZPF2003
 MCR10EZPF2700
 MCR18EZPJ330

 RC0603F1473CS
 RC0603F150CS
 RC1005F1152CS
 RC1005F1182CS
 RC1005F1372CS
 RC1005F183CS
 RC1005F1911CS

 RC1005F4642CS
 RC1005F471CS
 RC1005F4751CS
 RC1005F4751CS
 RC1005F4751CS
 RC1005F4751CS