

Miniature Potentiometers XV0107G, XV0106G Series

小型ポテンシオメータ

FEATURES

- High performance miniature potentiometer created by incorporating NOBLE's ICB (Integrated Control Block) film integration technology.
- Ideally suited for Headphone stereos, and other pocketable audio equipment.
- Film makes smooth rotational feeling possible.
- Conform RoHS

APPLICATIONS

Headphone stereos, Portable CD, CD-ROM, Game Machines, Liquid Crystal TVs, Electronic Pocket Notebook, Personal Computer, Pocket Radio, and other Pocketable Equipments.

特長


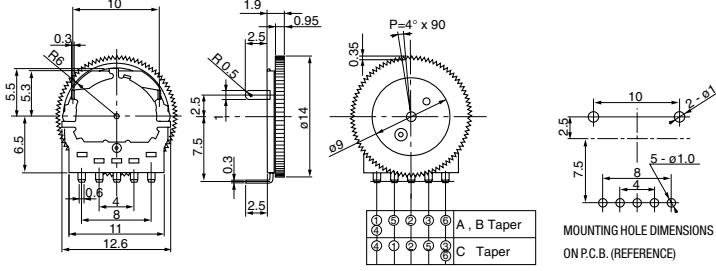

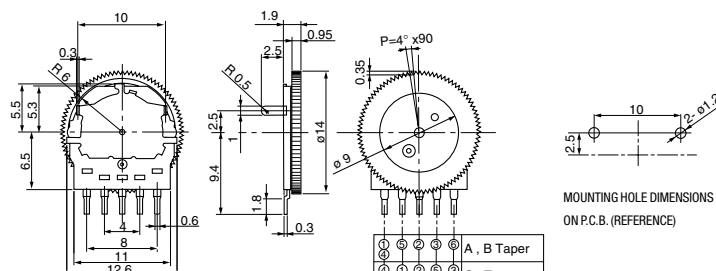
- ノーブルのICB(Integrated Control Block)思想のフィルムインテグレーションテクノロジーが生んだ薄型の小型ポテンシオメータです。
- ヘッドホンステレオなどポータブルオーディオ機器に最適です。
- フィルムの採用により、なめらかな回転フィーリングが得られます。
- RoHS適合品です。

用途

ヘッドホンステレオ、ポータブルオーディオ機器、CD-ROM、DVD-ROM、ゲーム機器、液晶テレビ、パソコンなど。

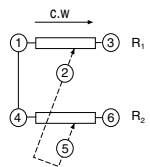
DIMENSIONS

外形寸法

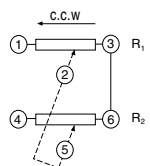
| XV010702GPV1N | Example of Order Number : XV010702GPV1N-15A10K-9604 |
|--|---|
|  <p>①</p> |  <p>ARRANGEMENT OF TERMINALS</p> <p>A, B Taper C Taper</p> <p>MOUNTING HOLE DIMENSIONS ON P.C.B. (REFERENCE)</p> |
| XV010702GPH1N | Example of Order Number : XV010702GPH1N-15A10K-9605 |
|  <p>②</p> |  <p>ARRANGEMENT OF TERMINALS</p> <p>A, B Taper C Taper</p> <p>MOUNTING HOLE DIMENSIONS ON P.C.B. (REFERENCE)</p> |


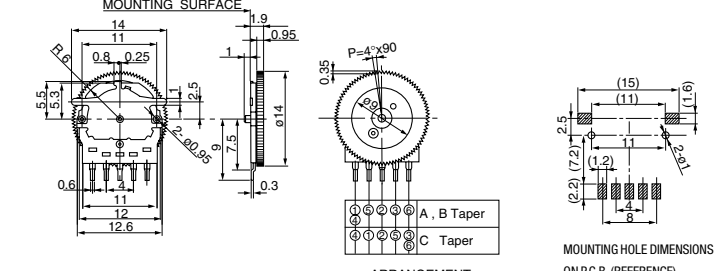
Circuit

B, 15A Taper



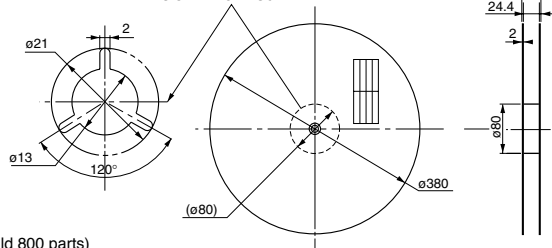
15C Taper



| XV0106GPH7N | Example of Order Number : XV0106GPH7N-15A10K-9401T |
|---|--|
| <p>Reflow soldering type</p>  <p>③</p> |  <p>ARRANGEMENT OF TERMINALS</p> <p>A, B Taper C Taper</p> <p>MOUNTING HOLE DIMENSIONS ON P.C.B. (REFERENCE)</p> |

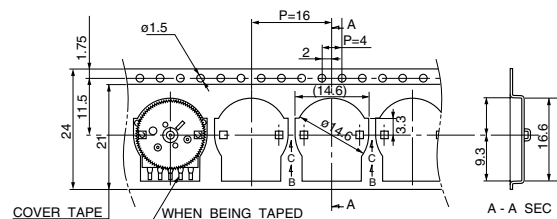
REEL DIMENSION

ELEMENTS ON LARGER SCALE



Taping (Hold 800 parts)
1Box = 5 Reel

TAPE, COVER TAPE



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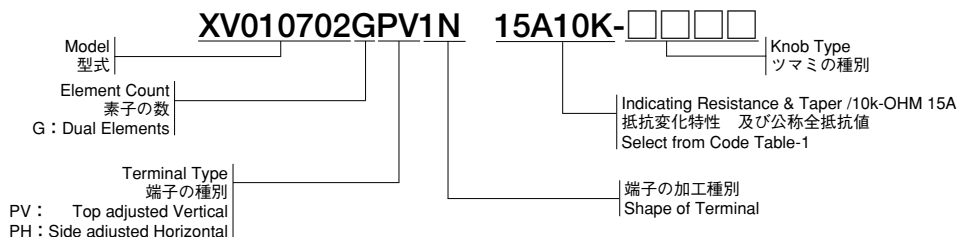
小型ポテンシオメータ

TYPE DESIGNATION

品名構成

Example of indicating Order Number

注文番号の記載例



SPECIFICATIONS

仕様

| | ①,② XV010702G | ③ XV0106G |
|--|---|---|
| | Dual Elements | Dual Elements Reflow soldering |
| Operating Temperature Range 使用温度範囲 | -25 to 70°C | -25 to 70°C |
| Rated Power 定格電力 | 0.05W | 0.05W |
| Rated Voltage 定格電圧 | AC10V,DC10V | AC10V,DC10V |
| Total Resistance Tolerance 全抵抗値許容差 | Within ±20% of the nominal total resistance | Within ±30% of the nominal total resistance |
| Tracking Error 相互偏差 | Within ±4dB at a range of 0 to -40dB (expect 1B Taper) | Within ±4dB at a range of 0 to -40dB (expect 1B Taper) |
| Insulation Resistance 絶縁抵抗 | 100MΩ at DC100V | 100MΩ at DC100V |
| Dielectric Strength 耐電圧 | AC100V for 1 minute | AC100V for 1 minute |
| Total Rotational Angle 全回転角度 | 270±5° | 270±5° |
| Rotational Torque 回転トルク | 1 to 10 mN.m | 0.5 to 10 mN.m |
| Rotational Stop Strength of Knob シャフトの回転止め強さ | 100 mN.m | 100 mN.m |
| Push/Pull Strength of Knob シャフトの押し、引張り強さ | 5N max. | 5N max. |
| Knob Wobble シャフトのガタ | Less than 0.4 mm p-p max at φ 14mm knob | Less than 0.4 mm p-p max at φ 14mm knob |
| Endurance (Sliding) 耐久性(しゅう動) | 10,000 cycles | 10,000 cycles |

CODE TABLE

| Order Number | Resistance&Taper | Order Number | Resistance&Taper | Order Number | Resistance&Taper |
|--------------|------------------|--------------|------------------|--------------|------------------|
| 1B1K | 1kΩ 1B | 15A5K | 5kΩ 15A | 15C5K | 5kΩ 15C |
| 1B2K | 2kΩ 1B | 15A10K | 10kΩ 15A | 15C10K | 10kΩ 15C |
| 1B5K | 5kΩ 1B | 15A20K | 20kΩ 15A | 15C20K | 20kΩ 15C |
| 1B10K | 10kΩ 1B | 15A50K | 50kΩ 15A | 15C50K | 50kΩ 15C |
| 1B20K | 20kΩ 1B | 15A100K | 100kΩ 15A | 15C100K | 100kΩ 15C |
| 1B50K | 50kΩ 1B | 15A200K | 200kΩ 15A | 15C200K | 200kΩ 15C |
| 1B100K | 100kΩ 1B | 15A500K | 500kΩ 15A | 15C500K | 500kΩ 15C |
| 1B200K | 200kΩ 1B | | | | |
| 1B500K | 500kΩ 1B | | | | |

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