# Chip trimmer potentiometers MVR21

#### Features

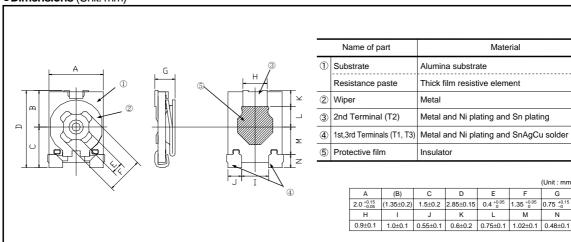
- 1) Extremely small size and light weight facilitate the assembly of light, thinner, and smaller equipment.
- 2) Close match between wiper and resistive element reduces wiper noise.
- 3) Ruthenium oxide resistor material, with superb stability and resistance to humidity and the elements, offers the same outstanding reliability of our existing product (MVR22).
- 4) Open design for reflow soldering.
- 5) Cross groove for easy adjustment.
- 6) Protective film prevents short circuits due to terminal contact.
- 7) ROHM resistors have approved ISO-9001 / ISO/TS 16949 certification. Design and specifications are subject to change without notice. Carefully check the specification sheet supplied with the product before using or ordering it.

## ●Ratings

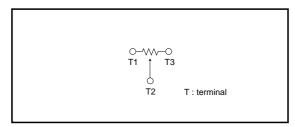
Item	Conditions	Specifications
Rated power	Power must be derated according to the power derating curve in Figure 1 when ambient temperature exceeds 70°C.  **BOO	0.15W (3 / 20W) / element at 70°C
Rated voltage	The voltage rating is calculated by the following equation. If the value obtained exceeds the maximum operating voltage, the voltage rating is equal to the maximum operating voltage. $E: Rated\ voltage\ (V)$ $E = \sqrt{P \times R} \qquad \qquad P: Rated\ power\ (W)$ $R: Nominal\ resistance\ (\Omega)$	Manageria
Nominal total	R . Norminal resistance (22)	Max. operating voltage 50V
resistance range		100 to $2.2 M\Omega$ (recommended resistance value : E3 series) (applicable resistance value : E6 series)
Total resistance tolerance		±25%
Resistance variation		B (linear) characteristics
Operating temperature		-55°C to +155°C



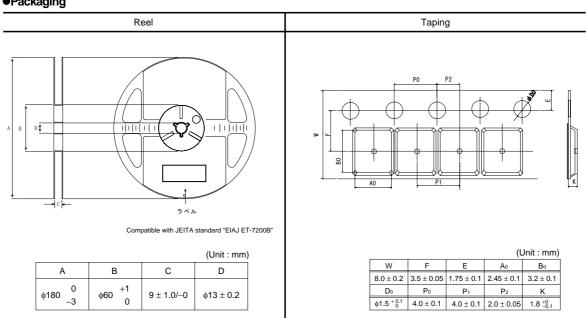
## ●Dimensions (Unit: mm)



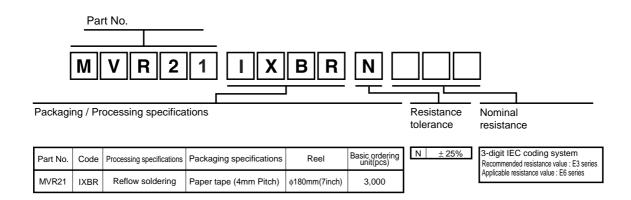
# ●Equivalent circuit



## Packaging



## ●Part No. Explanation



#### Notes

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Should you intend to use these products with equipment or devices which require an extremely high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), please be sure to consult with our sales representative in advance.

It is our top priority to supply products with the utmost quality and reliability. However, there is always a chance of failure due to unexpected factors. Therefore, please take into account the derating characteristics and allow for sufficient safety features, such as extra margin, anti-flammability, and fail-safe measures when designing in order to prevent possible accidents that may result in bodily harm or fire caused by component failure. ROHM cannot be held responsible for any damages arising from the use of the products under conditions out of the range of the specifications or due to non-compliance with the NOTES specified in this catalog.

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Contact us : webmaster@rohm.co.jp

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ROHM CO., LTD. 21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan

pan TEL:+81-75-311-2121 FAX:+81-75-315-0172

