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Adjustable Resistor **Application Notes**

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Adjustable Resistor Application Notes

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Determination of End Resistance Value of FVR, DQS, DSRA, DSRB, BSR, BSQ:

- 1. Resistance Range means you can choose one maximum resistance value (End resistance value) at one of FVR, DQS, DSRA, DSRB, BSR, BSQ VR (Adjustable Resistor) type.
- 2. After End Resistance Value confirmed, the minimum resistance (start resistance value) will be determined by depending on resistance of wire and wire wound type.

Power Rating of Adjustable Resistor:

The part Number formation of FVR, DQS, DSRA, DSRB, BSR, BSQ:

Product type - Rated Wattage - Resistance Value (Ω) - Resistance Tolerance

- Product type means one of FVR, DQS, DSRA, DSRB, BSR, BSQ.
- Rated Wattage means power rating at End Resistance Value.
- \bullet Resistance Value (Ω) means maximum resistance value (End Resistance Value).
- Resistance Tolerance means precision range of End Resistance Value.
- 1. Power Rating of VR (Variable Resistor) is determined by the maximum resistance value (End Resistance Value).
- 2. Resistance and Power Rating should be decreased while you are adjusting the screw.

Notes:

- Adjustability is 10% to 90% of full resistance value.
- Wattage is proportional to this adjusted resistance value.

Power Rating:

- Based on 25°C free air rating. The stated wattage rating applies only when the entire resistance is in the circuit.
- Setting the lug at an intermediate point reduces the wattage rating by approximately the same proportion.
- Example: If the lug is set at half resistance, the wattage is reduced by approximately one-half.

If you need current constant type or special specifications, please feel free to contact us.



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