

COC-P-144-98

MIL-R-22097

MIL-R-22097Qualified

WJ24
WJ24 Cermet trimmer

Applicable specifications

- GJB918-90
- SJ20217-92 WJ24

Electrical characteristics

- Range of rated resistance (Ω): 10 ~ 1M
- Resistance tolerance: $\pm 10\%$
- Terminal resistance: $\leq 2\%R$ ~ 2Ω , $\leq 2\%R$ or 2Ω , whichever greater
- Contact resistance variation:
CRV $\leq 2\%R$ ~ 10Ω ,
CRV $\leq 2\%R$ or 10Ω , whichever greater
- Insulation resistance: $R_i \geq 1G\Omega(500V_{DC})$
- Dielectric withstand voltage: $900V_{AC}$
(, (Atmospheric pressure))
- Effective electrical travel: 21 ± 1 turns

Environmental characteristics

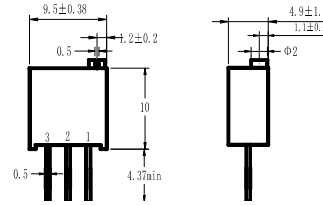
- Rated Power (300Umax):
 $0.5W@70^\circ C, 0W@125^\circ C$
- Temperature range($^\circ C$): $-55 \sim +125$
- TCR: $\leq \pm 150 \times 10^{-6}/^\circ C$
- Thermal shock:
 $-65^\circ C \sim +125^\circ C$, 5 cycles;
 $R \leq \pm 3\%R, (U_{ab}/U_{ac}) \leq \pm 2\%$
- Shock: GJB360A-96, method 213
 $\Delta R \leq \pm 2\%R, \Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- High frequency vibration:
GJB360A-96, method 204
 $\Delta R \leq \pm 2\%R, \Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- Moisture Resistance:
GJB360A-96, method 106,240h
 $\Delta R \leq \pm 5\%R, R_i \geq 100M\Omega$
- Life: $70^\circ C, 0.5W, 1000h$
 $\Delta R \leq \pm 5\%R, \Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- Rotational life: 200 cycles; $R \leq \pm 5\%R$
- High temperature storage:
 $125^\circ C, 250h$
 $\Delta R \leq \pm 5\%R, \Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- Low temperature operating:
 $-55^\circ C, 0.5W$
 $\Delta R \leq \pm 2\%R, \Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- Immersion: GJB360A-96, method 104

No continuous stream of bubbles emitted

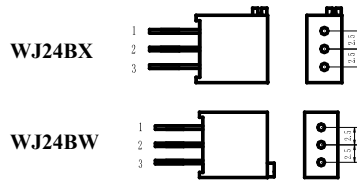
Physical characteristics

- Starting torque: $\leq 35mN \cdot m$
- Clutch torque:
 25 ,
- Idle against the end for 25 turns, no evidence of electrical discontinuity in reversed direction.
- Weight: $\leq 1.3g$
- Marking: Code symbol, type, resistance, date code Circuit Diagram
- Standard package: 100 / , 100pcs/box

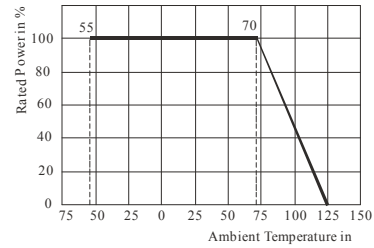
Dimensions



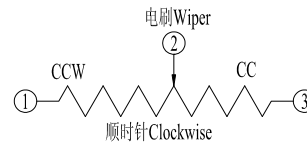
± 0.5
Note: Tolerance is ± 0.5 , if no identification



Derating curve



Circuit diagram



Nominal resistance table

(Ω) Resistance	(V) Voltage	(Ω) Resistance	(V) Voltage
10	2.23	5K	50.0
20	3.1	10K	70.7
50	5.0	20K	100
100	7.0	50K	158
200	10.0	100K	223
500	15.8	200K	300
1K	22.3	500K	300
2K	31.6	1M	300

Ordering information

- WJ24- B- W- 10K**
- Type— Characteristic
- Terminal type
- Resistance