

## CA9

### Electrical Characteristics

Range of resistance values	100Ω ... 5MΩ Lin (A) 1 KΩ ... 2.2 MΩ Log (B) Antilog(C) Others, upon request
Tolerance	100Ω ... 1MΩ ±20% >1MΩ ... 5MΩ ±30% Others, upon request
Variation laws	Lin (A), Log (B), Antilog (C) Others, upon request
Residual resistance	Lin (A), Log (B), Antilog (C) $\leq 5 \times 10^{-3} R_n$ Minimum value 2Ω
CRV - Contact Resistance Variation (dynamic)	Lin (A) $\leq 3\% R_n$
Contact resistance (static)	Lin (A) $\leq 5\% R_n$
Maximum power at 40° C.	Lin (A) 0,15 W No Lin (B,C) 0,10 W
Maximum voltage	Lin (A) 200 V No Lin (B,C) 150 V
Operating temperature	(-25°C ... +70°C) Others, upon request
Temperature Coefficient	100Ω ... 10KΩ: +200/-300 p.p.m. >10KΩ ... 5MΩ: +200/-500 p.p.m.

### Mechanical Characteristics

Resistive element	Carbon film
Wiper torque	0,4 ... 2 Ncm
Angle of rotation (mechanical)	240° ±5°
Angle of rotation (electrical)	220° ±20° Others upon request
Max. torque at end stop	5 Ncm
Max. push and pull on the rotor	40 N
Cycles	1000, more cycles available on request.