

Silicon coated wire-wound resistors serie CS

Data sheet

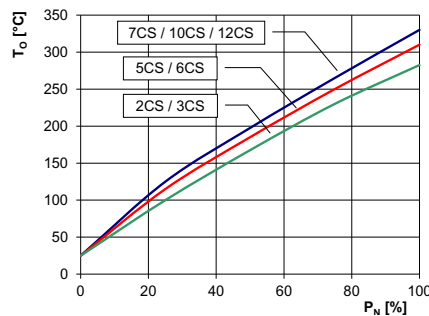


Main features

- Nominal power range: 3 up to 15 W
- High impulse solidity execution and low inductance execution on request
- Good protection against atmospheric influences

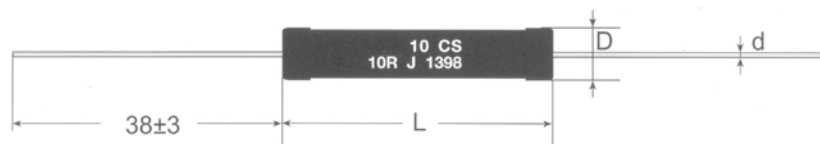
Technical specifications

Tolerance	Standard: J ($\pm 5\%$), up to $\pm 0.5\%$ on request
Nominal power	According table: Linear derating from 25 °C down to 350 °C
Temperature coefficient	Standard values from 100 ppm/K down to 30 ppm/K from R10 up to Rmax. Special values on request
Short time overload	2CS and 3CS: $5 \times P_N$ during 5 seconds from 5CS to 12CS: $10 \times P_N$ during 5 seconds
Dielectric strength	from 2CS to 6CS: 500 V DC from 7CS to 12CS: 700 V DC
Insulation resistance	Minimum 1'000 M Ω (Minimum 100 M Ω after moisture test)
Working temperature range	from - 55 °C up to + 350 °C
Surface temperature	



Low inductivity execution	Ayrton-Perry winding, model designation CSN
Terminal strength	> 6 kg pull test
Solderability	According MIL-STD-202, method 208
Materials	Core: Ceramic steatit or alumina centerless ground Resistive element: CuNi or NiCr alloy End caps: stainless stelle Terminals: tinned copper

Dimensions



Type	Type MIL-R-26E	Nominal power [W]	Resistance range [Ω]	Max. working voltage [V]	Temperature rise [K/W]	Weight [g]	Dimensions		
							D [mm]	L [mm]	d [mm]
2CS	RW69V	3	R01 - 5K6	130	91	1.2	5.2 \pm 0.5	12.0 \pm 0.8	0.8
3CS		4	R01 - 10K	200	74	1.8	6.0 \pm 0.5	13.5 \pm 0.8	0.8
5CS	RW74U	6	R01 - 24K	380	52	3.2	8.0 \pm 0.5	22.0 \pm 1.6	0.8
6CS	RW67V	7	R01 - 27K	435	45	3.8	8.0 \pm 0.5	25.0 \pm 1.6	0.8
7CS	RW55V	10	R01 - 47K	685	30	7.0	9.5 \pm 0.5	35.0 \pm 1.6	0.9
10CS	RW68V	13	R01 - 68K	940	24	9.0	9.5 \pm 0.5	46.0 \pm 1.6	0.9
12CS	RW56V	15	R01 - 82K4	1'100	21	10.0	9.5 \pm 0.5	51.0 \pm 1.6	0.9