

RWR Military Series

Wirewound Resistors, MIL-PRF-39007 Qualified, Established Reliability



FEATURES

- High temperature silicone coated
- Complete welded construction
- Available Ayrton-Perry winding style (type N) for lowest reactive component



SPECIFICATIONS

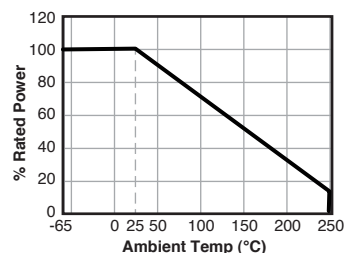
Style	Power rating @25°C (W)	Resistance range (Ω)	Res. Tolerance	Weight (g) typical
RWR74S	5	0.1 to 12.1K	±1%	3.4
RWR74N	5	0.1 to 6.04k	±1%	3.4
RWR84S	7	0.1 to 12.4K	±1%	4.9
RWR84N	7	0.1 to 6.19K	±1%	4.9

CHARACTERISTICS

Test	Conditions	Limits
Thermal Shock	MIL-STD-202, method 107	±(0.2% + 0.005Ω) ΔR
Short Time Overload	10 x rated power (RWR74, RWR84) for 5 s	±(0.2% + 0.005Ω) ΔR
Dielectric Withstanding Voltage	1000 VRMS (RWR74, RWR84), 1 min duration	±(0.1% + 0.005Ω) ΔR
Low Temperature Storage	-55°C for 24 h	±(0.1% + 0.005Ω) ΔR
High Temperature Exposure	250°C for 2000 h	±(1.0% + 0.005Ω) ΔR*
Moisture Resistance	MIL-STD-202, method 106	±(0.2% + 0.005Ω) ΔR
Shock, Specified Pulse	MIL-STD-202, method 213, condition I	±(0.1% + 0.005Ω) ΔR
Vibration, High Frequency	MIL-STD-202, method 204, condition D	±(0.1% + 0.005Ω) ΔR
Load Life	2000 h at rated power, +25°C, 1.5 h "ON", 0.5 h "OFF"	±(0.5% + 0.005Ω) ΔR
Terminal Strength	MIL-STD-202, method 211, condition A and C 10 pound (RWR74, RWR84)	±(0.1% + 0.005Ω) ΔR

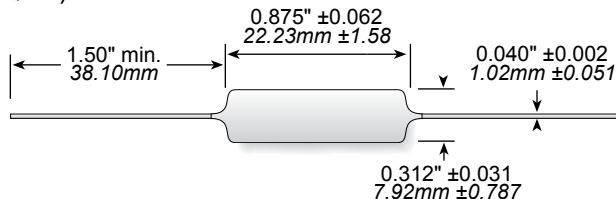
*For resistance values above 100Ω, test limit is ± 1.0 %

Derating



DIMENSIONS

(in./mm)



ORDERING INFORMATION

RWR74S49R9FM

RWR series	Mil Type	Terminal Wire & Winding	Resistance	Tolerance	Failure Rate
	74 or 84		49R9 = 49.9Ω S = solderable, 1000 = 100Ω inductive 1001 = 1000Ω N = solderable, non-inductive	F = ±1.0% M = 1.0%/1000 h	