



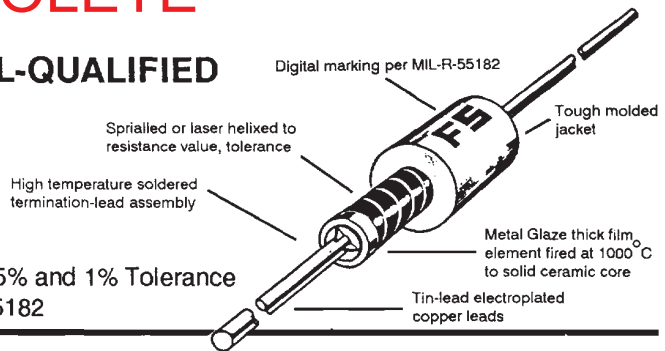
THE RESISTOR PEOPLE

OBSOLETE

ESTABLISHED RELIABILITY MIL-QUALIFIED METAL GLAZE™ RESISTORS

RNC SERIES

- 1/20 Watt to 1/4 Watt
- 10 Ohms to 3.01 Megohm
- ±25 ppm/°C to ±100 ppm/°C
- 0.1%, 0.5% and 1% Tolerance
- MIL-R-55182



SPECIFICATIONS:

MIL Type	Marking	Tol. (%)	T.C. (ppm/°C)	MIL Power Rating (watts)	MIL Resistance Range	Nominal Size	Volt. Rating
RNC50H/S ¹	Stamp	1	50	1/20 @ 125°C	10Ω to 301K	1/8 W	200
RNC50J/S ¹	Stamp	1	25	1/20 @ 125°C	10Ω to 301K	1/8 W	200
RNC50K/S ¹	Stamp	1	100	1/20 @ 125°C	10Ω to 301K	1/8 W	200
RNC55H/S	Stamp	.1, .5, 1 ²	50	1/10 @ 125°C	10Ω to 2meg ²	1/4 W	200
RNC55K/S	Stamp	.5, 1 ²	100	1/10 @ 125°C	10Ω to 2meg ²	1/4 W	200
RNC55J/S	Stamp	.1, .5, 1 ²	25	1/10 @ 125°C	10Ω to 2meg ²	1/4 W	200
RNC60H/S	Stamp	.1, .5, 1 ³	50	1/8 @ 125°C	10Ω to 3.01M ³	1/2 W	250
RNC60K/S	Stamp	.5, 1 ³	100	1/8 @ 125°C	10Ω to 3.01M ³	1/2 W	250
RNC60J/S	Stamp	.1, .5, 1 ³	25	1/8 @ 125°C	10Ω to 3.01M ³	1/2 W	250
RNC65H/S	Stamp	.1, .5, 1 ⁴	50	1/4 @ 125°C	10Ω to 3.01M ⁴	1 W	300
RNC65K/S	Stamp	.5, 1 ⁴	100	1/4 @ 125°C	10Ω to 3.01M ⁴	1 W	300
RNC65J/S	Stamp	.1, .5, 1 ⁴	25	1/4 @ 125°C	10Ω to 3.01M ⁴	1 W	300

DISCRETE

Environmental Conditions	Resistance Change	Typical Inc. Resistance
Thermal Shock	±0.20%	±0.02%
Overload	±0.20%	±0.05%
Low Temperature Operation	±0.15%	±0.03%
Terminal Strength	±0.20%	±0.02%
Dielectric Withstanding Voltage	±0.15%	±0.05%
Resistance to Soldering Heat	±0.10%	±0.02%
Moisture Resistance	±0.40%	±0.15%
Shock, Medium Impact	±0.20%	±0.05%
Vibration, High Frequency	±0.20%	±0.02%
2000 - Hour Life	±0.50%	±0.10%
10,000 - Hour Life	±2.00%	±0.30%
High-Temperature Exposure	±0.50%	±0.10%

ESTABLISHED RELIABILITY MIL SPECIFICATIONS

RNC products listed above are qualified to the appropriate established reliability MIL Specification. In general, Metal Glaze units such as these are specified for all RNC requirements.

HOW TO ORDER:

Sample Part No.:

RNC - 55 - H - 7500 - F - S

MIL Style

RNC = Solderable/weldable leads

Power Rating

50 = 1/20 watt
55 = 1/10 watt
60 = 1/8 watt
65 = 1/4 watt

T.C. Characteristics

K = ±100 ppm/°C
H = ±50 ppm/°C
J = ±25 ppm/°C

Resistance

First three digits represent significant figures; fourth digit is number of zeros

Tolerance

F = ±1%, D = ±.5%, B = ±.1%

Failure Rate

S = .001% for 1000 hours (60% confidence)

DIMENSIONS - Inches and (mm):

Nominal Size	Body Length - BL	Body Diameter - BD	Lead Length - LL	Lead Diameter - LD	Clean Lead
1/8 watt	.150 ± .020 (3.8 ± .5)	.066 ± .008 (1.7 ± .2)	1.00 ± .125 (25.4 ± 3.2)	.016 ± .002 (.41 ± .05)	.225
1/4 watt	.250 ± .015 (6.4 ± .4)	.090 ± .008 (2.3 ± .2)	1.50 ± .125 (38.1 ± 3.2)	.025 ± .002 (.64 ± .05)	.310
1/2 watt	.390 ± .010 (9.9 ± .3)	.140 ± .008 (3.6 ± .2)	1.50 ± .125 (38.1 ± 3.2)	.025 ± .002 (.64 ± .05)	.450
1 watt	.562 ± .031 (14.3 ± .8)	.190 ± .008 (4.8 ± .2)	1.50 ± .125 (38.1 ± 3.2)	.025 ± .002 (.64 ± .05)	.692

1-Conformally coated construction on all 1/8 W nominal - 2-Only available in F tol. above 1M ohm. - 3-Only available in F tol. above 2M - 4-Only available in F tol. below 49.9 & above 2M.

METAL GLAZE RESISTORS