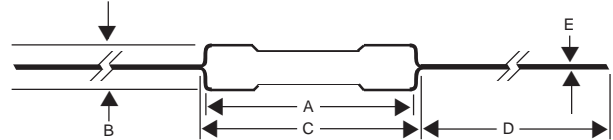
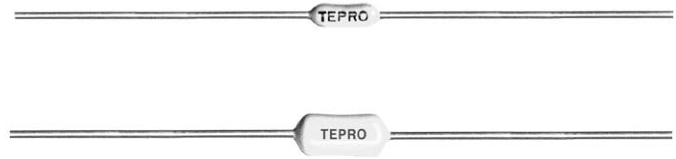


PRECISION METAL FILM RESISTORS

FEATURES:

- Temperature coefficients to $\pm 2\text{ppm}/^\circ\text{C}$
- Tolerances to $\pm 0.01\%$
- Superior environmental performance
- Extremely low noise
- Tailored or standard values
- Matched sets and networks
- Highest stability metal film available



PERFORMANCE CHARACTERISTICS:

TEST per requirements of MIL-R-55182 (Exceptions noted)	TYPICAL ΔR^*	SPECIFICATIONS
Thermal shock (-55to +150°)	0.02%	MIL-STD-202
Moisture	0.08%	MIL-STD-202
Resistance to solder heat	0.02%	MIL-STD-202
Short time overload	0.01%	MIL-R-10509
Life (1000 hrs, full power)	0.02%	MIL-R-55182
Shelf life (max. per year)	30ppm	

MATCHED SETS & NETWORKS:

Resistance matching to $\pm 0.005\%$ and temperature coefficient tracking as low as $\pm 1\text{ppm}/^\circ\text{C}$ are available in matched sets.

STANDARD CONFIGURATIONS AND ELECTRICAL SPECIFICATIONS:

TEPRO TYPE	MAXIMUM VOLTAGE (vdc)	POWER RATING (watts)			RESISTANCE RANGE (ohms)		TOLERANCE %	DIMENSIONS (Inches)				
		25°C	85°C	125°C	MIN.	MAX.		A	B	C	D	E
								$\pm.020$	$\pm.010$	MAX.	MIN.	$\pm.020$
RNF 50	200	0.125	0.050	0.050	25	100K	1 to 0.01	0.150	0.070	0.200	1.00	0.016
RNF 55	250	0.250	0.125	0.100	10	10MEG	1 to 0.01	0.261	0.102	0.300	1.00	0.025
RNF 60	300	0.500	0.250	0.125	25	3MEG	1 to 0.01	0.390	0.152	0.430	1.00	0.025
RNF 65	300	1.000	0.333	0.250	30	3MEG	1 to 0.01	0.595	0.163	0.637	1.00	0.025

DERATING:

RNF resistors have an operating temperature range of -55°C to 150°C and must be derated as follows.

