

TYPE "S"

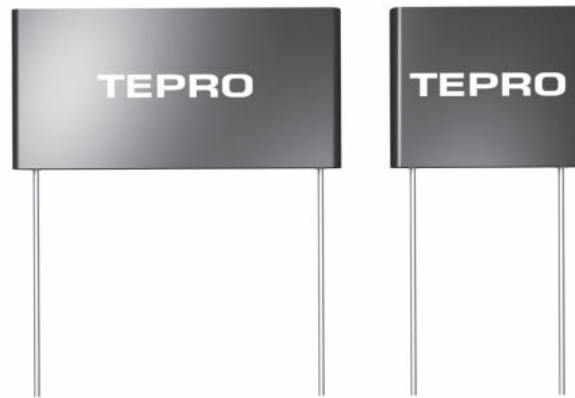
TEPRO



ULTRA - PRECISION METAL FILM RESISTORS

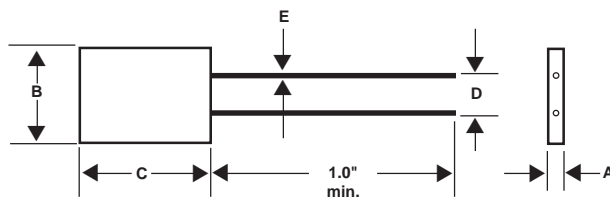
FEATURES:

High power ultra - precision resistors to 2W
 Temperature coefficients to ± 1 ppm
 Tolerances to $\pm .005\%$
 Improved stability ± 25 ppm/year
 T.C. tracking to .5ppm available
 Radial leads



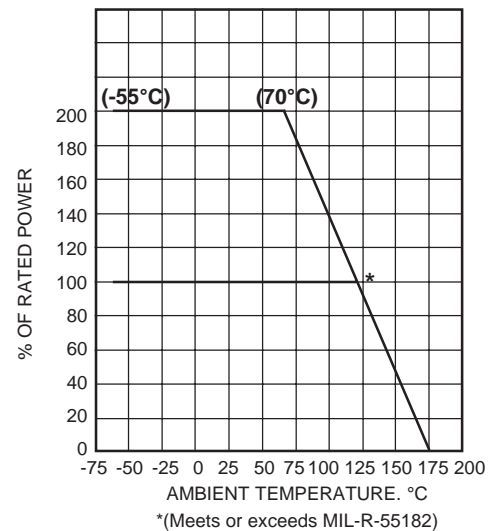
PERFORMANCE DATA:

Long term stability: 25ppm/year
 Temperature coefficient: 1ppm/ $^{\circ}$ C to 10ppm/ $^{\circ}$ C
 Temperature coefficient track: To 0.5ppm/ $^{\circ}$ C
 Tolerance: 0.005 to 1.0%
 Tolerance match: To 0.005%
 Inductance: Less than 0.05 μ h
 Capacitance: Less than 0.05 pf
 Rise time (without ringing): Less than 1ns
 Voltage coefficient: Less than 2ppm/volt
 Thermoelectric effect: Less than 0.1 μ V/ $^{\circ}$ C
 Noise factor: Below -30db



DERATING:

POWER DERATING CURVE



STANDARD CONFIGURATIONS AND ELECTRICAL SPECIFICATIONS:

TEPRO TYPE	DIMENSIONS (Inches)					VOLTAGE RATING (Volts)	POWER RATING (Watts)	RESISTANCE RANGE (Ohms)
	A	B	C	D	E			
S-40	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .002$	300	0.125	25 - 250K
S-50	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .002$	300	0.115	25 - 250K
S-100	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .002$	300	0.300	10 - 1M
S-120	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .002$	300	0.300	30 - 5M
S-300	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .002$	300	0.500	30 - 25M
S-302	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .002$	350	0.750	50 - 25M
S-303	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .002$	500	1.000	100 - 50M
S-350	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .010$	$\pm .002$	500	2.000	100 - 100M



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