

SURFACE MOUNT RESISTORS

GENERAL SPECIFICATIONS:

Standard temperature coefficients:
 ±90ppm / °C Below 1.0Ω
 ±50ppm / °C 1.0Ω - 9.9Ω
 ±20ppm / °C 10Ω and beyond

Electrical: Power .125 - 3 watts

Resistance: 0.01 - 300 KΩ

Tolerance: Available in the following standard tolerances:

5 % .5 %
 3 % .25 %
 1 % .1 %
 .05 %

Dielectric strength:

500 VAC

Insulation resistance:

1000 megohms minimum dry

100 megohms after moisture test

Short time overload:

5 seconds at 5 times rated power

Types: TKW - Wirewound

TKF - Metal Film

MATERIAL:

Core: Alumina

Element: Copper - nickel alloy or

nickel - chrome alloy, depending on resistance value

End caps: Stainless steel, tin plated steel

Molding: Special high temperature

Standard Terminals: Tinned copper



ENVIRONMENTAL PERFORMANCE:

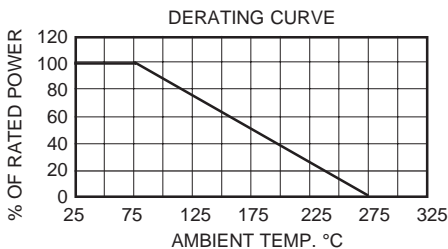
TEST	
Load life	±(.5% + .05Ω) R
Moisture resistance	±(.2% + .05Ω) R
Temperature coefficient	20 to 90ppm/°C
Thermal shock	±(.2% + .05Ω) R
Short time overload	±(.2% + .05Ω) R
Dielectric	±(.1% + .05Ω) R
Low Temperature Storage	±(.1% + .05Ω) R
High Temperature Exposure	±(.5% + .05Ω) R
Shock	±(.1% + .05Ω) R
Vibration	±(.1% + .05Ω) R

VARIATIONS:

Wirewound or Metal Film available

Noninductive windings available

DERATING:

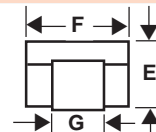
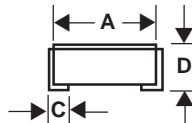
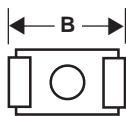


HOW TO ORDER:

Sample Part No: TKW 1 .1Ω ±1%

Type _____
 Wattage _____
 Resistance _____
 Tolerance _____

ELECTRICAL SPECIFICATIONS & DIMENSIONAL CONFIGURATIONS



TEPRO TYPE	POWER (watts)	DIMENSIONS: Inches (mm)						
		A	B	C	D	E	F	G
TKW - .5	0.5	.188 ± .005 (4.77 ± .127)	.200 ± .020 (5.08 ± .508)	.040 ± .010 (1.02 ± .254)	.100 ± .015 (2.44 ± .381)	.090 ± .005 (2.29 ± .127)	.125 ± .005 (3.18 ± .127)	.060 ± .010 (1.52 ± .254)
TKW - 1	1.0	.248 ± .005 (6.30 ± .127)	.262 ± .032 (6.61 ± .813)	.045 ± .010 (1.14 ± .254)	.115 ± .015 (2.92 ± .381)	.104 ± .005 (2.64 ± .127)	.150 ± .005 (3.81 ± .127)	.090 ± .010 (2.29 ± .254)
TKW - 2	2.0	.433 ± .005 (11.0 ± .127)	.476 ± .032 (12.09 ± .813)	.100 ± .010 (2.54 ± .254)	.165 ± .015 (4.19 ± .381)	.156 ± .005 (3.96 ± .127)	.275 ± .005 (6.98 ± .127)	.090 ± .010 (2.29 ± .254)
TKW - 3	3.0	.650 ± .005 (16.51 ± .127)	.690 ± .032 (17.53 ± .813)	.100 ± .010 (2.54 ± .254)	.275 ± .015 (6.99 ± .381)	.265 ± .010 (6.73 ± .254)	.275 ± .005 (4.19 ± .127)	.090 ± .010 (2.29 ± .254)