

TCR Specification Data Set: Resistive Foil Specifications

Resistive material	NiCr	NCAS	CrSiO
Sheet resistance (Ω/sq)	25, 50, 100	25, 50, 100, 250	1000
Sheet resistivity tolerance (%)	±5	±5	±7
Temperature coefficient of resistance (ppm/°C)	<110	-20	300
Base copper foil thickness (microns)	18, 35	18, 35	18, 35
Width maximum mm (inches)	1295 (51)	1295 (51)	1295 (51)
Maximum recommended power dissipation at 40° C (watts/sq in)	25 Ω/sq: 250 50 Ω/sq: 200 100 Ω/sq: 150 —	25 Ω/sq: 250 50 Ω/sq: 200 100 Ω/sq: 150 250 Ω/sq: 75	1000 Ω/sq: 250
Recommended etching solutions 1st etch 2nd etch	Cupric chloride Ammoniacal	Ammoniacal* Acidic permanganate	Ammoniacal* Alkaline permanganate
3rd etch	_	Ammoniacal*	Ammoniacal*

For base foil properties, please refer to the appropriate product application sheet.

^{*} For NCAS and CrSiO, cupric chloride can be used in place of ammoniacal etchant.