

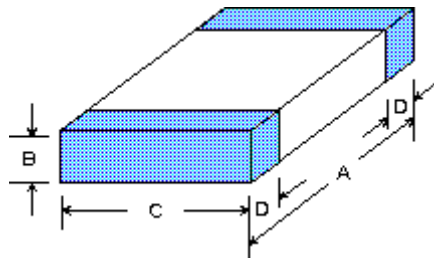
## Linear PTC Surface Mount 2300-3500 TCR

### Features

- Nickel Barrier (Tin-Lead wrap around (3-sided) terminations)
- Tape & Reeling
- 1206, 0805, and 0603 Sizes
- 5% and 10% Tolerances
- PTC Thick Film on Alumina Substrate (100% Solid State)
- Linear from -55 C to 125 C
- Maximum Linear Deviation: +/- 0.01%/ C

### Applications

- Over temperature sensing
- Temperature compensation
- Temperature Measurement



**0603** Size Electrical Specification Table

Part Number <small>(Note: Add -05 for 5% Tol.)</small>	$\Omega$ @ 25 °C +/- 10%	TCR PPM (-50 to +150C)	TCR Tolerance PPM	Dimensions in inches (millimeters)			
					B +/- 0.006" (0.15mm)		+/- 0.009" (0.23mm)
WSML06105	10	3500	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06110	15	3500	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06115	20	3500	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06120	30	3300	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06125	50	3300	+/- 300	0.060	0.020	0.030	0.012

				(1.52)	(0.51)	(0.76)	(0.30)
WSML06130	100	3300	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06135	150	3100	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06140	200	3100	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06145	250	3100	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06150	350	2900	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06155	500	2900	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06160	750	2700	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06165	1000	2700	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06170	1500	2500	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06175	2000	2500	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06180	2500	2500	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06185	3000	2500	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06190	4000	2500	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06195	5000	2500	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06200	7500	2300	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)
WSML06205	10000	2300	+/- 300	0.060 (1.52)	0.020 (0.51)	0.030 (0.76)	0.012 (0.30)

## Options

- Tape and Reeling
- Special Resistance Values
- 5% Tolerance

**Example of Option Request:**

- To Add Tape And Reeling: Add **-TR** to Part Number (Ex: WSML06205-**TR**)
- To Add 5% Tolerance: Add **-05** to Part Number (Ex: WSML06205-**05**)
- To Add both Tape and Reeling and 5% Tolerance: (Ex: WSML06205-**05TR**)

**0805 Size Electrical Specification Table**

Part Number <small>(Note: Add - 05 for 5% Tol.)</small>	$\Omega$ @ 25 °C +/- 10%	TCR PPM (-50 to +150C)	TCR Tolerance PPM	Dimensions in inches (millimeters)			
				A +/- 0.009" (0.23mm)	B +/- 0.006" (0.15mm)	C +/- 0.007" (0.18mm)	D +/- 0.009" (0.23mm)
WSML08505	10	3500	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08510	20	3500	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08515	30	3500	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08520	50	3300	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08525	100	3300	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08530	150	3300	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08535	250	3100	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08540	400	2900	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08545	500	2900	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08550	600	2900	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08555	750	2700	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08560	1000	2700	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08565	1500	2700	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)

WSML08570	2000	2500	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08575	3000	2500	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08580	4000	2500	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08585	5000	2500	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08590	6000	2500	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08595	8500	2300	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)
WSML08600	10000	2300	+/- 300	0.080 (2.03)	0.020 (0.51)	0.050 (1.27)	0.016 (0.41)

## Options

- Tape and Reeling
- Special Resistance Values
- 5% Tolerance

## Terminology

**Base Resistance** - The resistance value of a thermistor at a specified temperature with negligible electrical power to avoid self heating. Usually base resistance will be defined at 25 C.

### Example of Option Request:

- To Add Tape And Reeling: Add **-TR** to Part Number (Ex: WSML08595-**TR**)
- To Add 5% Tolerance: Add **-05** to Part Number (Ex: WSML08595-**05**)
- To Add both Tape and Reeling and 5% Tolerance: (Ex: WSML08595-**05TR**)