

Environmental (continued)

Temperature characteristics – Maximum percent temporary total resistance change from the +25° C value. See chart below.

Temperature coefficient – For cermet linear taper elements, temperature coefficient less than ±100 ppm/°C.

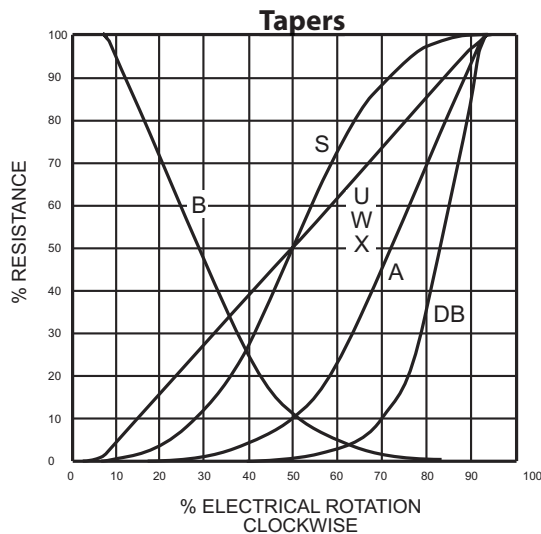
Nominal Resistance in Ohms	CP — "U" Linear Taper. °C							
	-55°	-25°	0°	+25°	+55°	+85°	+100°	+120°
100	-9.0	-6.0	-3.0	0	+3.5	+6.5	+8.0	+10
1K	±5.5	±3.0	±1.5	0	±1.5	±3.0	±4.0	±5.0
10K	+5.0	+3.0	±1.5	0	±2.0	±2.0	±2.5	±3.0
100K	+5.0	+3.0	±1.5	0	±2.0	±2.0	±2.5	±3.0
1.0 Meg	+6.0	+3.0	±2.0	0	±2.5	±3.0	±4.0	±5.0

Nominal Resistance in Ohms	HOT MOLDED* — "U" Linear Taper. °C							
	-55°	-25°	0°	+25°	+55°	+85°	+100°	+120°
100	+4.5	+2.5	+1.5	0	±1.0	±1.5	+2.0	+3.5
1K	+5.5	+3.0	+1.5	0	±1.5	±2.0	+2.5	+4.5
10K	+7.0	+3.5	+2.0	0	±1.0	±2.5	+3.0	+5.5
100K	+8.0	+4.0	+2.0	0	±1.5	±3.0	+3.5	+6.0
1.0 Meg	+10.0	+5.0	+2.5	0	±1.5	±3.5	±5.0	+7.5

For "S", "A" and "DB" tapers multiply percentage figures shown above by 1.25

* HOT MOLDED option is discontinued - for reference only

Tapers



Tapers A, DB, S and U are measured between the wiper and the counter-clockwise terminals;
Taper B is measured between the wiper and the clockwise terminals.

Tapers – Available in the following resistance ranges:

UNIT	TAPER	TOTAL RESISTANCE RANGE
Hot-Molded*	U	50 Ohms to 10.0 Megohms
	A, B, S & DB	250 Ohms to 10.0 Megohms
Cermet	U, W (X=5%)	100 Ohms to 5.0 Megohms
CP	U	100 Ohms to 1.0 Megohm
	A & B	250 Ohms to 1.0 Megohm

* Hot Molded Carbon is no longer available

End Resistance

Minimum Resistance Between Terminals:

TAPER	Minimum Resistance Between Terminals:					
	Hot-Molded*		CP		Cermet	
	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2	1 & 2
U	1	1	4	4	4	4
S	1	1	—	—	—	—
A	1	2	4	4	—	—
B	2	1	4	4	—	—
DB	3	2	—	—	—	—

1 Less than 0.004 percent of total resistance or less than 4 ohms, whichever is greater.

2 Less than 1 percent of total resistance or less than 4 ohms, whichever is greater.

3 Less than 4 ohms

4 Less than 2 ohms