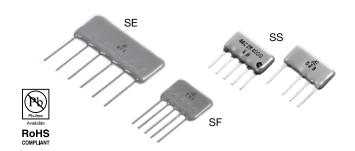


Precision Resistor Network (Conformally Coated)

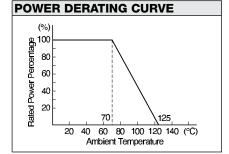


COMPOSITION OF TYPE NUMBER

- 1) Type
- ② Circuit Symbol ③ Resistance Value (R1)
- 4 Resistance Value (Rn)
- Flesistance Value (111)
 Resistance Tolerance (Absolute)
 Resistance Tolerance (Matching)
- Specify all values for R1 to Rn

SE, SF, SS	Туре	SE	SF	SS
	L	29.0±0.5	14.0±0.5	7.5±0.5 to 15.5±0.5
Ţ / Y	W	12.5±0.5	10.0±0.5	7.3±0.5
≥	Т	2.7±0.5		2.2±0.5
	l		5±1	
† \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	t		0.3±0.05	
~	а	1.0±0.5		
<u>, 00000</u>	b		0.65±0.05	

TCR, RESISTANCE RANGE, TOLERANCE, RATED POWER									
Туре	TCR (ppm/°C)* -25°C to +125°C	Resistance Range Element (Ω)	Maximum Resistance Value Package (Ω)		tance ce (%)**	Rated Power/ Package			
				Absolute	Matching	(W) at 70°C			
SE		30 to 120k	600k	±0.05 (A)	±0.01 (T) ±0.02 (Q) ±0.05 (A) ±0.1 (B)	1			
SF	0±5	30 to 120k	240k	±0.1 (B) ±0.5 (D)		0.5			
ss	30 to 20k	100k	±1 (F)	±0.5 (D) ±1 (F)	0.5				



0.4±0.05

Multiple of 2.54

Lead space will be determined depending on circuit and number of elements.

^{**}Symbols parenthesized are for type number composition.

PERFORMANCE									
Parameters	Test Condition	ALPHA Specification		ALPHA Typical Test Data					
		ΔR	∆Ratio	ΔR	∆Ratio				
Maximum Rated Operating Temperature Working Temperature Range		70°C -25°C to +125°C							
Temperature Cycling	−25°C/30 min., Room Temperature/5 min., +125°C/30 min., 5 cycles	±0.05%	±0.01%	±0.01%	±0.005%				
Low Temperature Storage Overload Terminal Strength	-25°C, No Load, 2 hrs. Rated Voltage x 2.5, 5 sec. 0.51 kg (1.123 pounds),10 sec.	±0.05% ±0.05% ±0.05%	±0.01% ±0.01% ±0.01%	±0.005% ±0.0025% ±0.005%	±0.0025% ±0.001% ±0.0025%				
Dielectric Withstanding Voltage Insulation Resistance Resistance to Soldering Heat Moisture Resistance	Atmo. Pres.: AC 300V, 1 min. DC 100V, 1 min. 350°C, 3 sec. +65°C to -10°C, 90% RH to 98% RH, Rated Voltage, 10 cycles (240 hrs.)	±0.03% over 10 ±0.03% ±0.1%	±0.01% 000 MΩ ±0.01% ±0.05%	±0.005% over 10 ±0.005% ±0.03%	±0.0025% ,000 MΩ ±0.0025% ±0.005%				
Shock Vibration	50G, 11 ms., Half-Sine Wave, X, Y, Z, each 3 shocks 20G, 10 Hz to 55 Hz to 10 Hz, 1 min., X, Y, Z, each 2 hrs.	±0.03% ±0.03%	±0.01% ±0.01%	±0.005% ±0.005%	±0.0025% ±0.0025%				
Life (Rated Load)	70°C, Rated Power, 1.5 hrs. – ON, 0.5 hr. – OFF, 1,000 hrs.	±0.1%	±0.05%	±0.01%	±0.005%				
Life (Moisture Load)	(Moisture Load) 40°C, 90% RH to 95% RH, Rated Power, 1.5 hrs. – ON, 0.5 hr. – OFF, 1,000 hrs.		±0.05%	±0.01%	±0.005%				
High Temperature Exposure	125°C, No Load, 1,000 hrs.	±0.1%	±0.05%	±0.01%	±0.005%				
Storage Life	15°C to 35°C, 15% RH to 75% RH, No Load, 10,000 hrs.	±0.05%	±0.03%	±0.005%	±0.0025%				

^{*}TCR tracking is dependent on resistance ratio. See table 1 on page 32.



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Vishay Precision Group:

<u>SE003B3X10K00BA</u> <u>SF002A2K0/2K0BB</u> <u>SF002B13K3/120KFB</u> <u>SF002B14K5/75KFB</u> <u>SF002B1K0/9K0FB</u> SF002C626R/3K16BB SS002B2K49/2K49BB SS003A3X750R0FA SS103F3X10K0FA SS104F4X13K0BA