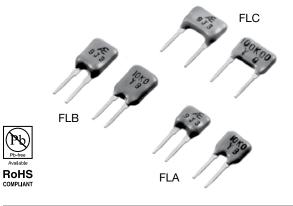
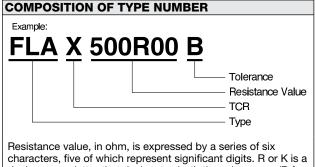
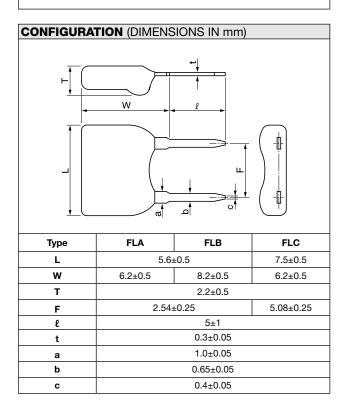


Precision Resistor (Conformally Coated)





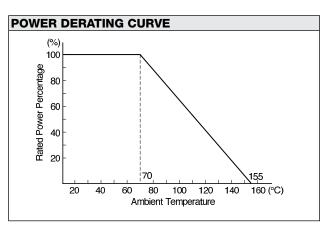
characters, five of which represent significant digits. R or K is a dual-purpose letter that designates both the value range (R for ohmic; K for kilo-ohm) and the location of decimal point.



TCR, RESISTANCE RANGE, TOLERANCE, RATED POWER							
Туре	TCR (ppm/°C) -25°C to +125°C*	Resistance Range (Ω)	Resistance Tolerance (%)*†	Rated Power (W) at 70°C			
FLA	0±5 (X) 0±2.5 (Y)	10 to 30	±0.5 (D) ±1.0 (F)				
		30 to 100	±0.1 (B) ±0.5 (D)	0.125			
		100 to 100k	±0.05 (A) ±0.1 (B)				
FLB	0±5 (X) 0±2.5 (Y)	10 to 30	±0.5 (D) ±1.0 (F)				
		30 to 100	±0.1 (B) ±0.5 (D)	0.25			
		100 to 150k	±0.05 (A) ±0.1 (B)				
		10 to 30	±0.5 (D) ±1.0 (F)				
FLC	0±5 (X) 0±2.5 (Y)	30 to 100	±0.02 (Q) ±0.05 (A) ±0.1 (B) ±0.5 (D)	0.25			
		100 to 200k	±0.01 (T) ±0.02 (Q) ±0.05 (A) ±0.1 (B)				

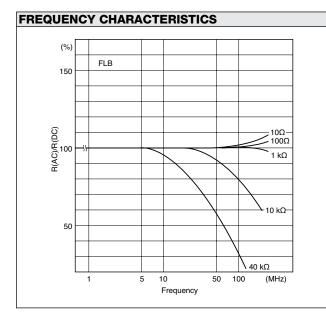
* Symbols parenthesized are for type number composition.

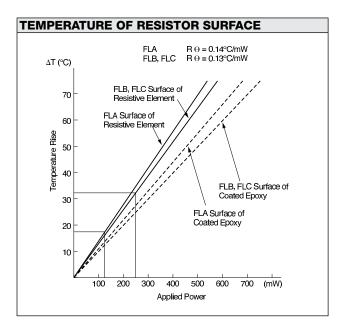
 $\dagger\,$ Resistance figures are the values obtained by measuring at the point 2.5±1.0 mm below the shoulder of leads.





PERFORMANCE							
Parameters	Test Condition	ALPHA Specification	ALPHA Typical Test Data				
Maximum Rated Operating Temperature Working Temperature Range Maximum Working Voltage	orking Temperature Range		70°C -25°C to +155°C FLA=250V, FLB/FLC=300V				
Temperature Cycling Overload	-25°C/30 min., Room Temperature/5 min., +155°C/30 min., 5 cycles Rated Voltage x 2.5, 5 sec.	±0.05% ±0.05%	±0.01% ±0.0025%				
Solderability Resistance to Solvents	235°C, 2 sec. ● Isopropyl Alcohol ● Trichloroethylene	over 75% coverage no damage	over 75% coverage no damage				
Low Temperature Storage Terminal Strength	-25°C, No Load, 2 hrs. 0.908 kg (2 pounds), 10 sec.	±0.05% ±0.05%	±0.0025% ±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 10,000 MΩ ±0.03% ±0.1%	±0.0025% over 10,000 MΩ ±0.0025% ±0.015%				
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%	±0.005% ±0.005%				
Life (Rated Load)	70°C, Rated Power, 1.5 hr. – ON, 0.5 hr. – OFF, 1,000 hrs.	±0.1%	±0.01%				
Life (Moisture Load) 40°C, 90% RH to 95% RH, Rated Power, 1.5 hr. – ON, 0.5 hr. – OFF, 1,000 hrs.		±0.05%	±0.01%				
Storage Life	15°C to 35°C, 15% RH to 75% RH, No Load, 10,000 hrs.	±0.02%	±0.005%				
High Temperature Exposure	155°C, No Load, 1,000 hrs.	±0.05%	±0.01%				
Current Noise Pressure Cooker Test	121°C, 100% RH, 2 atmospheric, No Load, 100 hrs.	-25 dB ±0.5%	-42 dB ±0.1%				







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FLCY80K000B FLCY87R238B FLCY8K0000B	FLCY900R00B	FLCY90K000B	FLCY90R000B	FLCY5K0000F
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FLCX8K2500F FLCX42K200F FLCX49K900F	FLCX4K5300F	FLCX50K000Q	FLCX51K100F	FLCX56K200F
FLCX2K0000Q FLCX30R000Q FLCX3K4800F	FLCX3K6500F	FLCX3K9200F	FLCX40K200F	FLCX20K000F
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