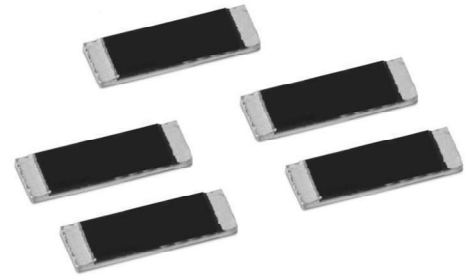
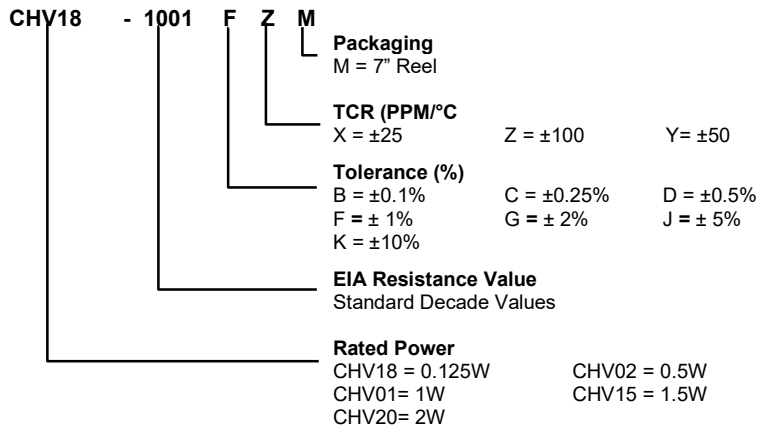




## PRECISION HIGH VOLTAGE SMD RESISTORS

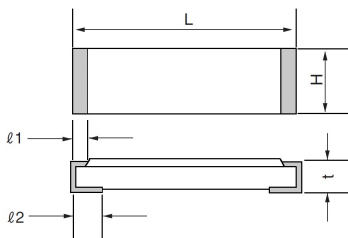
### HOW TO ORDER



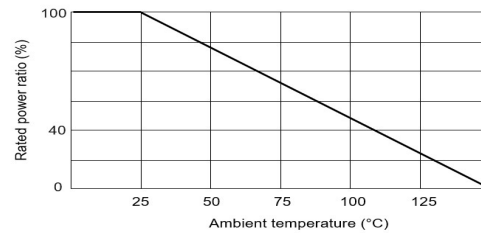
### FEATURES

- Tight Temperature Coefficient
- Excellent Moisture Resistance
- Excellent Long-Term Stability
- High Voltage Load
- RoHS Compliance 2011/65/EU

### SCHEMATIC



### DERATING CURVE



### CHARACTERISTICS

Item	Characteristics			Test Method
	CHV18	CHV02 to CHV20		
		≤100MΩ	100MΩ<	
Operating temperature range	-55°C ~+ 150°C			
Long-term stability	±0.5%	±0.1%	±1%	At normal temperature and humidity for 10,000hr
Moisture resistance	±0.5%	±0.1%	±1%	
Heat cycle	±0.5%	±0.1%	±1%	-55°C + 150°C 5cycles
Resistance to soldering heat	±0.5%	±0.1%	±1%	260°C ± 5°C 10sec
Temperature coefficient	B ± 25, C ± 50, D ± 100, ppm/°C			Measured at 25°C and 75°C

### ELECTRICAL CHARACTERISTICS

Type	Characteristics		Range of resistance values		Rated power (W)	Max. working voltage DC(kV)	Voltage coefficient (ppm/V)	Dimensions (mm)					Resistance tolerance (%)
	Symbol	Temperature coefficient (ppm/°C)	Min. (MΩ)	Max. (MΩ)				L	H	t	l1	l2	
CHV18	D	±100	0.5	50	0.125	0.3	0 to -100	3.2±0.2	1.6±0.2	0.55±0.1	0.5±0.3	0.5±0.3	±1(F) ±2(G) ±5(J)
CHV02	X	±25	0.5	20	0.5	1.0	0 to -20	6.4±0.2	3.2±0.2	0.55±0.1	0.5±0.3	0.5±0.3	±0.1(B) ±0.25(C) ±0.5(D) ≤100MΩ
	Y	±50	0.5	20									
	Z	±100	0.5	1000									
CHV01	X	±25	1	100	1.0	2.5	0 to -5	12.8±0.2	5.0±0.2	0.8±0.2	1.0±0.3	2.0±0.2	±1(F) ±2(G) ±5(J) ±10(K) ≤1GΩ
	Y	±50	1	100									
	Z	±100	1	1000									
CHV15	X	±25	1	100	1.5	3.5	0 to -2	18.0±0.2	5.0±0.2	0.8±0.2	1.0±0.3	2.0±0.2	±1(F) ±2(G) ±5(J) ±10(K) ≤1GΩ
	Y	±50	1	100									
	Z	±100	1	1000									
CHV20	X	±25	1	100	2.0	5.0	0 to -1	25.5±0.2	5.0±0.2	0.8±0.2	1.0±0.3	2.0±0.2	±1(F) ±2(G) ±5(J) ±10(K) ≤1GΩ
	Y	±50	1	100									
	Z	±100	1	1000									