



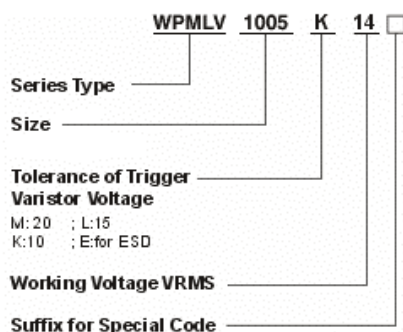
MULTILAYER VARISTOR

WPMLV Series

Excellent clamping ratio, Compact size (EIA0603 & 0402),
Quick response time (<1nSec.), Low voltage,
High transient current capability, Over Voltage Protector

Explanation of Part Number

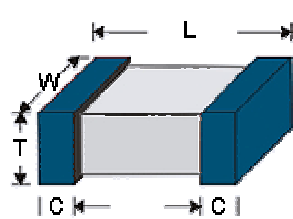
Example Part Number:



Applications

1. Mother Board/Notebook
2. Cellular Phone
3. PDA and handheld device
4. DSC/ DV
5. Scanner
6. Set-Top Box

Dimensions



	1005		1608	
L	1.00 ± 0.10	(0.04 ± 0.004)	1.60 ± 0.20	(0.063 ± 0.008)
W	0.50 ± 0.10	(0.02 ± 0.004)	0.80 ± 0.20	(0.032 ± 0.008)
T	0.50 ± 0.10	(0.02 ± 0.004)	0.80 ± 0.20	(0.032 ± 0.008)
C	0.30 ± 0.20	(0.01 ± 0.004)	0.30 ± 0.20	(0.01 ± 0.008)

Unit : millimeters (inches)

SPECIFICATIONS

Part No.	Working Voltage		Varistor Voltage		Resistance	Peak current	Clamping Voltage	Transient energy	Capacitance	
	V _{RMS}	V _{DC}	V _V	ΔV _V	I _r	I _{max}	V _c	W _{max}	C _p *	
	Volts (Max)	Volts (Max)	Volts (Max.)	%	X10 ⁶ ohm (Max.)	Amps (Max.)	Volts (Max.)	Joules (Max.)	pF (typ.)	
	< 50 μ A		1mA DC		5 VDC	8/20μ s	1A8/20μ s	10/1000μ s	1V _{RMS} 1KHz	1V _{RMS} 1MHz
WPMLV-1005-M04	4	5.5	8	±20	±10*	20	19	0.05	350	330
WPMLV-1005-M07	7	9	12.5	±20	±10	20	32	0.05	61	57
WPMLV-1005-L08	8	11	15	±15	±10	20	33	0.05	50	45
WPMLV-1005-K11	11	14	18	±10	±10	20	35	0.05	40	35
WPMLV-1005-K14	14	18	22	±10	±10	20	45	0.05	32	24
WPMLV-1608-M04	4	5.5	8	±20	±10	30	19	0.1	300	270
WPMLV-1608-M07	7	9	12.5	±20	±10	30	27	0.1	235	205
WPMLV-1608-K11	11	14	18	±10	±10	30	35	0.1	160	140
WPMLV-1608-K14	14	18	22	±10	±10	30	40	0.1	140	120

I_r-Resistance at 5V DC * Measured resistance at 3.3V DC

Additional Items	General Specifications
Operating Temperature	-55°C ~ +125°C
Storage Temperature	-55°C ~ +125°C
Response Time	<1 ns
Solderability	235°C 2 Sec
Solder Reaching	260°C 10 Sec