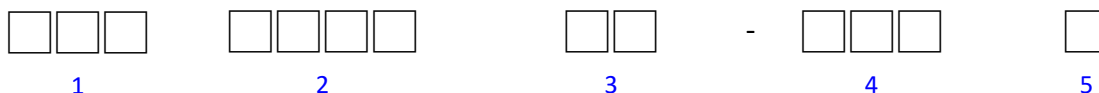


⊕ Features

Shielded construction.
Frequency range up to 1.0 MHz.
Lowest DCR / μH , in this package size.

Handles high transient current spikes without saturation.
Ultra low buzz noise, due to composite construction.

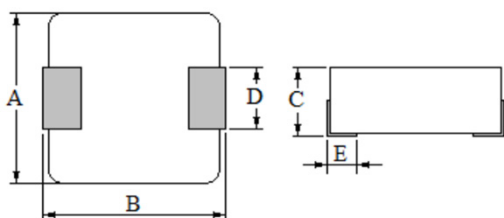
⊕ Product Identification :



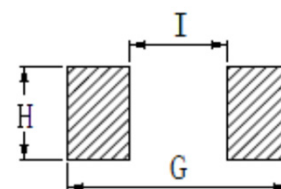
Series name	Dimensions(WxLxH)	Internal code
MPL	0420 4.06*4.45*2.0mm	H=Alloy
	0630 6.6*7.4*3.0mm	:
	1040 10.2*11*4.0mm	T=Carbonyl Iron Particle
	1050 10.2*11*5.0mm	R = Standard
	1260 12.8*13.2*6.0mm	

Inductance		Tolerance	
R13	13 nH	J	5%
R22	22 nH	K	10%
R68	68 nH	M	20%
1R0	1 μH	N	30%
100	10 μH		

⊕ Shapes And Dimensions



⊕ Recommended PCB Pattern



Part No.	Dimensions(mm)								
	A	B	C	D	E	G	H	I	
MPL0420R	4.30 ± 0.3	4.60 ± 0.4	2.00 ± 0.2	2.00 ± 0.2	1.00 ± 0.5	4.75 Ref	2.50 Ref	1.75 Ref	
MPL0520R	5.30 ± 0.3	5.70 ± 0.3	2.00 Max.	2.20 ± 0.2	1.20 ± 0.5	7.00 Ref	3.00 Ref	2.80 Ref	
MPL0530R	5.30 ± 0.3	5.70 ± 0.3	3.00 Max.	2.20 ± 0.5	1.20 ± 0.5	7.00 Ref	3.00 Ref	2.80 Ref	
MPL0620R	6.60 ± 0.2	7.60 Max.	2.00 Max.	3.00 ± 0.2	1.50 ± 0.5	7.50 Ref	3.50 Ref	2.50 Ref	
MPL0624R	6.60 ± 0.2	7.50 Max.	2.40 Max.	3.00 ± 0.2	1.50 ± 0.5	7.50 Ref	3.50 Ref	2.50 Ref	
MPL0630R	6.60 ± 0.2	7.50 Max.	3.00 Max.	3.00 ± 0.2	1.50 ± 0.5	7.50 Ref	3.50 Ref	2.50 Ref	
MPL0640R	6.60 ± 0.2	7.50 Max.	4.00 Max.	3.00 ± 0.2	1.60 ± 0.5	8.40 Ref	3.50 Ref	3.70 Ref	
MPL0650R	6.60 ± 0.2	7.50 Max.	5.00 Max.	3.00 ± 0.2	1.50 ± 0.5	7.50 Ref	3.50 Ref	2.50 Ref	
MPL1040R	10.20 ± 0.3	11.00 ± 1.0	4.00 Max.	3.00 ± 0.3	2.00 ± 0.5	14.20 Ref	3.80 Ref	5.00 Ref	
MPL1050R	10.20 ± 0.3	11.00 ± 1.0	5.00 Max.	3.00 ± 0.3	2.00 ± 0.5	14.20 Ref	3.80 Ref	5.00 Ref	
MPL1260R	12.80 ± 0.5	13.20 ± 1.0	6.00 Max.	3.80 ± 0.30	2.50 ± 0.50	13.60 Ref	6.00 Ref	7.20 Ref	
MPL1265R	12.80 ± 0.5	13.20 ± 1.0	6.50 Max.	3.80 ± 0.30	2.50 ± 0.50	13.60 Ref	6.00 Ref	7.20 Ref	
MPL1770R	17.00 ± 0.5	17.50 ± 1.0	7.00 Max.	11.95 ± 0.50	2.50 ± 0.50	17.50 Ref	13.00 Ref	11.00 Ref	

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0420R-R10M	0.1 \pm 20%	12 Typ.	10.5 Max.	22 Typ.	20 Max.	3.5 Typ.	4 Max.	100KHz /0.25V
MPL0420R-R22M	0.22 \pm 20%	9 Typ.	8.5 Max.	12.5 Typ.	11.5 Max.	6 Typ.	6.6 Max.	100KHz /0.25V
MPL0420R-R33M	0.33 \pm 20%	8 Typ.	7.5 Max.	12 Typ.	11 Max.	9 Typ.	11 Max.	100KHz /0.25V
MPL0420R-R36M	0.36 \pm 20%	7.5 Typ.	6.5 Max.	10 Typ.	9 Max.	10 Typ.	12 Max.	100KHz /0.25V
MPL0420R-R47M	0.47 \pm 20%	7 Typ.	6 Max.	9.5 Typ.	8.5 Max.	21 Typ.	25 Max.	100KHz /0.25V
MPL0420R-R56M	0.56 \pm 20%	6.5 Typ.	5.5 Max.	10 Typ.	9 Max.	23 Typ.	27 Max.	100KHz /0.25V
MPL0420R-R68M	0.68 \pm 20%	5.2 Typ.	5 Max.	9 Typ.	8 Max.	27 Typ.	29 Max.	100KHz /0.25V
MPL0420R-1R0M	1 \pm 20%	4.5 Typ.	3.5 Max.	7 Typ.	6 Max.	28 Typ.	36 Max.	100KHz /0.25V
MPL0420R-1R2M	1.2 \pm 20%	4.5 Typ.	3.5 Max.	7 Typ.	6 Max.	28 Typ.	36 Max.	100KHz /0.25V
MPL0420R-1R5M	1.5 \pm 20%	4 Typ.	3 Max.	6 Typ.	5 Max.	38 Typ.	46 Max.	100KHz /0.25V
MPL0420R-2R2M	2.2 \pm 20%	3 Typ.	2.5 Max.	5 Typ.	4.5 Max.	52 Typ.	58 Max.	100KHz /0.25V
MPL0420R-3R3M	3.3 \pm 20%	2.5 Typ.	2 Max.	4 Typ.	3.5 Max.	74 Typ.	87 Max.	100KHz /0.25V
MPL0420R-4R7M	4.7 \pm 20%	2.2 Typ.	1.8 Max.	3 Typ.	2.5 Max.	92 Typ.	105 Max.	100KHz /0.25V
MPL0420R-6R8M	6.8 \pm 20%	2 Typ.	1.6 Max.	2.5 Typ.	2.4 Max.	168 Typ.	180 Max.	100KHz /0.25V
MPL0420R-100M	10 \pm 20%	1.5 Typ.	1.2 Max.	2 Typ.	1.6 Max.	185 Typ.	200 Max.	100KHz /0.25V
MPL0420R-150M	15 \pm 20%	1.2 Typ.	1 Max.	1.5 Typ.	1.2 Max.	378 Typ.	415 Max.	100KHz /0.25V
MPL0420R-220M	22 \pm 20%	0.8 Typ.	0.5 Max.	1 Typ.	0.8 Max.	585 Typ.	645 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0520R-R10M	0.1 \pm 20%	21 Typ.	19 Max.	25 Typ.	23 Max.	2.7 Typ.	2.9 Max.	100KHz /0.25V
MPL0520R-R22M	0.22 \pm 20%	13 Typ.	11 Max.	17 Typ.	15 Max.	4.1 Typ.	4.5 Max.	100KHz /0.25V
MPL0520R-R33M	0.33 \pm 20%	7.5 Typ.	8.5 Max.	13 Typ.	12 Max.	5.5 Typ.	5.9 Max.	100KHz /0.25V
MPL0520R-R47M	0.47 \pm 20%	8 Typ.	7 Max.	12.5 Typ.	11.5 Max.	7.1 Typ.	7.7 Max.	100KHz /0.25V
MPL0520R-1R0M	1 \pm 20%	7 Typ.	6 Max.	7.5 Typ.	6.5 Max.	16.8 Typ.	18 Max.	100KHz /0.25V
MPL0520R-1R5M	1.5 \pm 20%	6 Typ.	5 Max.	6.5 Typ.	5.5 Max.	23 Typ.	28 Max.	100KHz /0.25V
MPL0520R-2R2M	2.2 \pm 20%	5 Typ.	4 Max.	5.5 Typ.	4.5 Max.	34.9 Typ.	37.7 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0520R-3R3M	3.3 $\pm 20\%$	4.1 Typ.	3 Max.	4.7 Typ.	3.7 Max.	58.5 Typ.	68 Max.	100KHz /0.25V
MPL0520R-4R7M	4.7 $\pm 20\%$	3 Typ.	2.5 Max.	3.2 Typ.	2.7 Max.	75.3 Typ.	81.3 Max.	100KHz /0.25V
MPL0520R-5R6M	5.6 $\pm 20\%$	2.2 Typ.	1.8 Max.	3 Typ.	2.5 Max.	85.2 Typ.	92 Max.	100KHz /0.25V
MPL0520R-6R8M	6.8 $\pm 20\%$	2.1 Typ.	1.8 Max.	2.8 Typ.	2.3 Max.	114 Typ.	121 Max.	100KHz /0.25V
MPL0520R-100M	10 $\pm 20\%$	2 Typ.	1.6 Max.	2.2 Typ.	1.8 Max.	200 Typ.	220 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0530R-R10M	0.1 $\pm 20\%$	28 Typ.	26 Max.	38 Typ.	36 Max.	2 Typ.	2.3 Max.	100KHz /0.25V
MPL0530R-R22M	0.22 $\pm 20\%$	17 Typ.	15 Max.	20 Typ.	18 Max.	3.5 Typ.	3.9 Max.	100KHz /0.25V
MPL0530R-R33M	0.33 $\pm 20\%$	13.7 Typ.	11 Max.	15 Typ.	13 Max.	5.4 Typ.	6.3 Max.	100KHz /0.25V
MPL0530R-R47M	0.47 $\pm 20\%$	12.2 Typ.	10 Max.	14 Typ.	12 Max.	7 Typ.	8 Max.	100KHz /0.25V
MPL0530R-R68M	0.68 $\pm 20\%$	11 Typ.	9 Max.	11.5 Typ.	10 Max.	8 Typ.	9.2 Max.	100KHz /0.25V
MPL0530R-1R0M	1 $\pm 20\%$	9.8 Typ.	8 Max.	10 Typ.	9 Max.	10.5 Typ.	12 Max.	100KHz /0.25V
MPL0530R-1R2M	1.2 $\pm 20\%$	6.5 Typ.	6 Max.	11 Typ.	10 Max.	15 Typ.	16 Max.	100KHz /0.25V
MPL0530R-1R5M	1.5 $\pm 20\%$	6.3 Typ.	5.5 Max.	10 Typ.	9 Max.	20 Typ.	25 Max.	100KHz /0.25V
MPL0530R-2R2M	2.2 $\pm 20\%$	6.3 Typ.	5.5 Max.	10 Typ.	9 Max.	23 Typ.	28 Max.	100KHz /0.25V
MPL0530R-3R3M	3.3 $\pm 20\%$	5.4 Typ.	4.5 Max.	6 Typ.	5 Max.	34 Typ.	38 Max.	100KHz /0.25V
MPL0530R-4R7M	4.7 $\pm 20\%$	5 Typ.	4 Max.	4 Typ.	3 Max.	52 Typ.	60 Max.	100KHz /0.25V
MPL0530R-5R6M	5.6 $\pm 20\%$	3 Typ.	2.5 Max.	4.1 Typ.	3 Max.	103 Typ.	108 Max.	100KHz /0.25V
MPL0530R-6R8M	6.8 $\pm 20\%$	3.2 Typ.	2.5 Max.	4.3 Typ.	4 Max.	61 Typ.	70.2 Max.	100KHz /0.25V
MPL0530R-100M	10 $\pm 20\%$	2.5 Typ.	2 Max.	4 Typ.	3.5 Max.	152 Typ.	158 Max.	100KHz /0.25V
MPL0530R-150M	15 $\pm 20\%$	1.9 Typ.	1.5 Max.	2.5 Typ.	2 Max.	252 Typ.	265 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0620R-R10M	0.1 $\pm 20\%$	16 Typ.	14 Max.	30 Typ.	28 Max.	2 Typ.	2.5 Max.	100KHz /0.25V
MPL0620R-R22M	0.22 $\pm 20\%$	13 Typ.	11 Max.	25 Typ.	23 Max.	3.8 Typ.	4.5 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0620R-R33M	0.33 $\pm 20\%$	10 Typ.	9 Max.	20 Typ.	19 Max.	5.2 Typ.	6.8 Max.	100KHz /0.25V
MPL0620R-R47M	0.47 $\pm 20\%$	9 Typ.	8 Max.	15 Typ.	14 Max.	7.3 Typ.	8.4 Max.	100KHz /0.25V
MPL0620R-R68M	0.68 $\pm 20\%$	7.5 Typ.	7 Max.	14 Typ.	13 Max.	10.8 Typ.	12.7 Max.	100KHz /0.25V
MPL0620R-R82M	0.82 $\pm 20\%$	7.5 Typ.	7 Max.	14 Typ.	13 Max.	10.8 Typ.	12.7 Max.	100KHz /0.25V
MPL0620R-1R0M	1 $\pm 20\%$	6.5 Typ.	6 Max.	10 Typ.	9 Max.	23 Typ.	27 Max.	100KHz /0.25V
MPL0620R-1R5M	1.5 $\pm 20\%$	6 Typ.	5.5 Max.	9 Typ.	8 Max.	30 Typ.	35 Max.	100KHz /0.25V
MPL0620R-2R2M	2.2 $\pm 20\%$	5 Typ.	4.5 Max.	8 Typ.	7 Max.	44 Typ.	48 Max.	100KHz /0.25V
MPL0620R-3R3M	3.3 $\pm 20\%$	3.5 Typ.	3 Max.	7.5 Typ.	7 Max.	76 Typ.	80 Max.	100KHz /0.25V
MPL0620R-4R7M	4.7 $\pm 20\%$	2.5 Typ.	2 Max.	4 Typ.	3.5 Max.	95 Typ.	103 Max.	100KHz /0.25V
MPL0620R-6R8M	6.8 $\pm 20\%$	1.8 Typ.	1.5 Max.	3 Typ.	2.8 Max.	120 Typ.	130 Max.	100KHz /0.25V
MPL0620R-100M	10 $\pm 20\%$	1.2 Typ.	1 Max.	2 Typ.	1.6 Max.	150 Typ.	185 Max.	100KHz /0.25V
MPL0620R-150M	15 $\pm 20\%$	1.2 Typ.	1 Max.	1.6 Typ.	1.4 Max.	185 Typ.	205 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0624R-R10M	0.1 $\pm 20\%$	30 Typ.	28 Max.	70 Typ.	68 Max.	1.5 Typ.	1.7 Max.	100KHz /0.25V
MPL0624R-R22M	0.22 $\pm 20\%$	21 Typ.	19 Max.	34 Typ.	32 Max.	2.6 Typ.	3.2 Max.	100KHz /0.25V
MPL0624R-R33M	0.33 $\pm 20\%$	18 Typ.	17 Max.	24.5 Typ.	23 Max.	3.5 Typ.	4.1 Max.	100KHz /0.25V
MPL0624R-R47M	0.47 $\pm 20\%$	15 Typ.	14 Max.	19 Typ.	17 Max.	5.3 Typ.	6.5 Max.	100KHz /0.25V
MPL0624R-R68M	0.68 $\pm 20\%$	11.5 Typ.	10 Max.	18 Typ.	16 Max.	7.9 Typ.	9.4 Max.	100KHz /0.25V
MPL0624R-R82M	0.82 $\pm 20\%$	10.5 Typ.	9.5 Max.	16 Typ.	15 Max.	9.6 Typ.	11.8 Max.	100KHz /0.25V
MPL0624R-1R0M	1 $\pm 20\%$	10 Typ.	8 Max.	15 Typ.	13 Max.	12.5 Typ.	14.2 Max.	100KHz /0.25V
MPL0624R-1R5M	1.5 $\pm 20\%$	8 Typ.	7 Max.	13 Typ.	12 Max.	17.6 Typ.	21.2 Max.	100KHz /0.25V
MPL0624R-2R2M	2.2 $\pm 20\%$	7 Typ.	6 Max.	12 Typ.	11 Max.	28 Typ.	34 Max.	100KHz /0.25V
MPL0624R-3R3M	3.3 $\pm 20\%$	5.5 Typ.	5 Max.	9 Typ.	8 Max.	45 Typ.	51.6 Max.	100KHz /0.25V
MPL0624R-4R7M	4.7 $\pm 20\%$	5 Typ.	4.5 Max.	7.5 Typ.	6.5 Max.	57 Typ.	63 Max.	100KHz /0.25V
MPL0624R-6R8M	6.8 $\pm 20\%$	4 Typ.	3.5 Max.	6 Typ.	5 Max.	83 Typ.	95 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0624R-8R2M	8.2 \pm 20%	3.5 Typ.	3 Max.	5 Typ.	4.5 Max.	94 Typ.	106 Max.	100KHz /0.25V
MPL0624R-100M	10 \pm 20%	3.1 Typ.	2.8 Max.	4 Typ.	3.5 Max.	108 Typ.	129 Max.	100KHz /0.25V
MPL0624R-150M	15 \pm 20%	2 Typ.	1.8 Max.	4 Typ.	3.5 Max.	112 Typ.	135 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0630R-R10M	0.1 \pm 20%	32.5 Typ.	30 Max.	60 Typ.	58 Max.	1.5 Typ.	1.7 Max.	100KHz /0.25V
MPL0630R-R15M	0.15 \pm 20%	30 Typ.	28 Max.	40 Typ.	38 Max.	1.9 Typ.	2.5 Max.	100KHz /0.25V
MPL0630R-R20M	0.2 \pm 20%	24 Typ.	22 Max.	34 Typ.	32 Max.	2.4 Typ.	3 Max.	100KHz /0.25V
MPL0630R-R22M	0.22 \pm 20%	23 Typ.	21 Max.	34 Typ.	32 Max.	2.5 Typ.	3 Max.	100KHz /0.25V
MPL0630R-R33M	0.33 \pm 20%	21 Typ.	19 Max.	25 Typ.	23 Max.	3 Typ.	3.5 Max.	100KHz /0.25V
MPL0630R-R36M	0.36 \pm 20%	20 Typ.	18 Max.	24 Typ.	22 Max.	3.3 Typ.	3.9 Max.	100KHz /0.25V
MPL0630R-R47M	0.47 \pm 20%	16.5 Typ.	15 Max.	24 Typ.	18 Max.	4.2 Typ.	5.5 Max.	100KHz /0.25V
MPL0630R-R56M	0.56 \pm 20%	16.5 Typ.	15 Max.	18 Typ.	17 Max.	3.9 Typ.	4.5 Max.	100KHz /0.25V
MPL0630R-R68M	0.68 \pm 20%	14.5 Typ.	13 Max.	23 Typ.	16 Max.	5.5 Typ.	6.7 Max.	100KHz /0.25V
MPL0630R-R82M	0.82 \pm 20%	10 Typ.	9 Max.	16 Typ.	15 Max.	9.6 Typ.	11.8 Max.	100KHz /0.25V
MPL0630R-1R0M	1 \pm 20%	11 Typ.	10 Max.	21 Typ.	14 Max.	8.5 Typ.	11.2 Max.	100KHz /0.25V
MPL0630R-1R2M	1.2 \pm 20%	10 Typ.	9 Max.	14 Typ.	13 Max.	7.8 Typ.	10 Max.	100KHz /0.25V
MPL0630R-1R5M	1.5 \pm 20%	9.5 Typ.	9 Max.	17 Typ.	13 Max.	15 Typ.	19 Max.	100KHz /0.25V
MPL0630R-2R2M	2.2 \pm 20%	8 Typ.	7 Max.	13 Typ.	9 Max.	20 Typ.	25.5 Max.	100KHz /0.25V
MPL0630R-3R3M	3.3 \pm 20%	6 Typ.	5.5 Max.	12 Typ.	8 Max.	30 Typ.	39.6 Max.	100KHz /0.25V
MPL0630R-4R7M	4.7 \pm 20%	5 Typ.	5 Max.	9.5 Typ.	6 Max.	47 Typ.	50 Max.	100KHz /0.25V
MPL0630R-6R8M	6.8 \pm 20%	4.5 Typ.	4 Max.	8 Typ.	5.5 Max.	60 Typ.	73 Max.	100KHz /0.25V
MPL0630R-8R2M	8.2 \pm 20%	3.9 Typ.	3 Max.	6.7 Typ.	5.5 Max.	75 Typ.	84 Max.	100KHz /0.25V
MPL0630R-100M	10 \pm 20%	3.3 Typ.	3 Max.	5.8 Typ.	5 Max.	82 Typ.	93 Max.	100KHz /0.25V
MPL0630R-150M	15 \pm 20%	2.65 Typ.	2.5 Max.	2.8 Typ.	2.5 Max.	97.5 Typ.	117 Max.	100KHz /0.25V
MPL0630R-220M	22 \pm 20%	2.5 Typ.	2.4 Max.	3 Typ.	2.8 Max.	120 Typ.	140 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0630R-330M	33 \pm 20%	1.5 Typ.	1.3 Max.	2 Typ.	1.8 Max.	225 Typ.	255 Max.	100KHz /0.25V
MPL0630R-470M	47 \pm 20%	1.4 Typ.	1.2 Max.	1.8 Typ.	1.6 Max.	270 Typ.	295 Max.	100KHz /0.25V
MPL0630R-680M	68 \pm 20%	1.2 Typ.	1 Max.	1.5 Typ.	1.4 Max.	450 Typ.	515 Max.	100KHz /0.25V
MPL0630R-101M	100 \pm 20%	1 Typ.	0.8 Max.	1.2 Typ.	1.1 Max.	715 Typ.	858 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0640R-R22M	0.22 \pm 20%	26 Typ.	24 Max.	32 Typ.	30 Max.	1.86 Typ.	2.5 Max.	100KHz /0.25V
MPL0640R-R33M	0.33 \pm 20%	22 Typ.	20 Max.	26 Typ.	24 Max.	2.2 Typ.	3 Max.	100KHz /0.25V
MPL0640R-R47M	0.47 \pm 20%	20 Typ.	18 Max.	22 Typ.	20 Max.	3.2 Typ.	3.6 Max.	100KHz /0.25V
MPL0640R-R68M	0.68 \pm 20%	18 Typ.	16 Max.	20 Typ.	18 Max.	4.3 Typ.	5 Max.	100KHz /0.25V
MPL0640R-R82M	0.82 \pm 20%	16 Typ.	14 Max.	18 Typ.	16 Max.	6.4 Typ.	7 Max.	100KHz /0.25V
MPL0640R-1R0M	1 \pm 20%	13 Typ.	11 Max.	17 Typ.	15 Max.	7.2 Typ.	8.4 Max.	100KHz /0.25V
MPL0640R-1R5M	1.5 \pm 20%	11 Typ.	9 Max.	15 Typ.	13 Max.	8.3 Typ.	9.7 Max.	100KHz /0.25V
MPL0640R-2R2M	2.2 \pm 20%	9 Typ.	7 Max.	12 Typ.	11 Max.	13 Typ.	17 Max.	100KHz /0.25V
MPL0640R-3R3M	3.3 \pm 20%	8 Typ.	7 Max.	11 Typ.	10 Max.	19 Typ.	25 Max.	100KHz /0.25V
MPL0640R-4R7M	4.7 \pm 20%	6.5 Typ.	6 Max.	9 Typ.	8 Max.	27 Typ.	35 Max.	100KHz /0.25V
MPL0640R-6R8M	6.8 \pm 20%	5.5 Typ.	5 Max.	8 Typ.	7 Max.	36 Typ.	45 Max.	100KHz /0.25V
MPL0640R-8R2M	8.2 \pm 20%	5 Typ.	4.5 Max.	7 Typ.	6 Max.	44 Typ.	50 Max.	100KHz /0.25V
MPL0640R-100M	10 \pm 20%	4 Typ.	3.5 Max.	6 Typ.	5 Max.	50 Typ.	58 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0650R-R13M	0.13 \pm 20%	42 Typ.	40 Max.	48 Typ.	46 Max.	1 Typ.	1.4 Max.	100KHz /0.25V
MPL0650R-R22M	0.22 \pm 20%	30 Typ.	28 Max.	35 Typ.	33 Max.	1.6 Typ.	2.2 Max.	100KHz /0.25V
MPL0650R-R36M	0.36 \pm 20%	21 Typ.	19 Max.	25 Typ.	23 Max.	2.7 Typ.	3.1 Max.	100KHz /0.25V
MPL0650R-R47M	0.47 \pm 20%	20 Typ.	18 Max.	24 Typ.	21 Max.	3.1 Typ.	3.5 Max.	100KHz /0.25V
MPL0650R-R56M	0.56 \pm 20%	18 Typ.	17 Max.	22 Typ.	18 Max.	3.4 Typ.	3.6 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL0650R-R68M	0.68 \pm 20%	16 Typ.	15 Max.	18 Typ.	14 Max.	3.9 Typ.	4.2 Max.	100KHz /0.25V
MPL0650R-R82M	0.82 \pm 20%	16 Typ.	15 Max.	18 Typ.	15 Max.	4.6 Typ.	4.9 Max.	100KHz /0.25V
MPL0650R-1R0M	1 \pm 20%	14 Typ.	11 Max.	18 Typ.	13 Max.	5.6 Typ.	6.5 Max.	100KHz /0.25V
MPL0650R-1R5M	1.5 \pm 20%	12 Typ.	11 Max.	15.5 Typ.	12 Max.	6 Typ.	7.5 Max.	100KHz /0.25V
MPL0650R-2R2M	2.2 \pm 20%	10 Typ.	9 Max.	14 Typ.	11 Max.	11.2 Typ.	12.5 Max.	100KHz /0.25V
MPL0650R-3R3M	3.3 \pm 20%	8.5 Typ.	6 Max.	12 Typ.	10 Max.	19.9 Typ.	20.9 Max.	100KHz /0.25V
MPL0650R-4R7M	4.7 \pm 20%	7 Typ.	5 Max.	10 Typ.	9 Max.	23 Typ.	25 Max.	100KHz /0.25V
MPL0650R-6R8M	6.8 \pm 20%	6 Typ.	4.5 Max.	9 Typ.	8 Max.	36.5 Typ.	41 Max.	100KHz /0.25V
MPL0650R-8R2M	8.2 \pm 20%	5.5 Typ.	3.5 Max.	7.5 Typ.	7 Max.	40 Typ.	43 Max.	100KHz /0.25V
MPL0650R-100M	10 \pm 20%	4.5 Typ.	3 Max.	6.5 Typ.	6 Max.	48 Typ.	55 Max.	100KHz /0.25V
MPL0650R-150M	15 \pm 20%	3.2 Typ.	2.8 Max.	5.5 Typ.	5 Max.	73 Typ.	85 Max.	100KHz /0.25V
MPL0650R-220M	22 \pm 20%	4 Typ.	3.5 Max.	5.5 Typ.	5 Max.	85 Typ.	110 Max.	100KHz /0.25V
MPL0650R-330M	33 \pm 20%	3 Typ.	2 Max.	4 Typ.	3 Max.	150 Typ.	180 Max.	100KHz /0.25V
MPL0650R-470M	47 \pm 20%	2.2 Typ.	1.5 Max.	3.5 Typ.	2 Max.	200 Typ.	230 Max.	100KHz /0.25V
MPL0650R-560M	56 \pm 20%	1.8 Typ.	1 Max.	3 Typ.	2 Max.	245 Typ.	280 Max.	100KHz /0.25V
MPL0650R-680M	68 \pm 20%	1.5 Typ.	1 Max.	2.5 Typ.	2 Max.	330 Typ.	363 Max.	100KHz /0.25V
MPL0650R-101M	100 \pm 20%	0.7 Typ.	0.5 Max.	1.2 Typ.	1 Max.	570 Typ.	610 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL1040R-R22M	0.22 \pm 20%	35 Typ.	33 Max.	60 Typ.	58 Max.	1.2 Typ.	1.5 Max.	100KHz /0.25V
MPL1040R-R36M	0.36 \pm 20%	30 Typ.	28 Max.	50 Typ.	48 Max.	1.7 Typ.	1.9 Max.	100KHz /0.25V
MPL1040R-R47M	0.47 \pm 20%	30 Typ.	28 Max.	40 Typ.	38 Max.	1.9 Typ.	2.2 Max.	100KHz /0.25V
MPL1040R-R56M	0.56 \pm 20%	25 Typ.	23 Max.	33 Typ.	31 Max.	2.1 Typ.	2.4 Max.	100KHz /0.25V
MPL1040R-R68M	0.68 \pm 20%	23 Typ.	21 Max.	30 Typ.	28 Max.	2.3 Typ.	3 Max.	100KHz /0.25V
MPL1040R-R82M	0.82 \pm 20%	20 Typ.	18 Max.	29 Typ.	27 Max.	3.1 Typ.	3.5 Max.	100KHz /0.25V
MPL1040R-1R0M	1 \pm 20%	18 Typ.	16 Max.	28 Typ.	26 Max.	3 Typ.	4 Max.	100KHz /0.25V
MPL1040R-1R5M	1.5 \pm 20%	16 Typ.	14 Max.	23 Typ.	21 Max.	4.8 Typ.	5.4 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL1040R-2R2M	2.2 $\pm 20\%$	12 Typ.	10 Max.	18 Typ.	16 Max.	7.2 Typ.	9 Max.	100KHz /0.25V
MPL1040R-3R3M	3.3 $\pm 20\%$	10 Typ.	9 Max.	16 Typ.	14 Max.	10.8 Typ.	11.8 Max.	100KHz /0.25V
MPL1040R-4R7M	4.7 $\pm 20\%$	8.5 Typ.	7.5 Max.	15 Typ.	13 Max.	17 Typ.	20 Max.	100KHz /0.25V
MPL1040R-5R6M	5.6 $\pm 20\%$	8 Typ.	7 Max.	14 Typ.	12 Max.	20 Typ.	23 Max.	100KHz /0.25V
MPL1040R-6R8M	6.8 $\pm 20\%$	7 Typ.	6.5 Max.	12 Typ.	11 Max.	22.5 Typ.	25 Max.	100KHz /0.25V
MPL1040R-8R2M	8.2 $\pm 20\%$	6 Typ.	5.5 Max.	9 Typ.	8 Max.	30 Typ.	32 Max.	100KHz /0.25V
MPL1040R-100M	10 $\pm 20\%$	5.5 Typ.	5 Max.	8.5 Typ.	7.5 Max.	34 Typ.	37 Max.	100KHz /0.25V
MPL1040R-150M	15 $\pm 20\%$	5 Typ.	4.5 Max.	7 Typ.	6 Max.	50 Typ.	55 Max.	100KHz /0.25V
MPL1040R-220M	22 $\pm 20\%$	4 Typ.	3.5 Max.	5.5 Typ.	5 Max.	60 Typ.	66 Max.	100KHz /0.25V
MPL1040R-470M	47 $\pm 20\%$	3 Typ.	2.5 Max.	4 Typ.	3.5 Max.	160 Typ.	200 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL1050R-R82M	0.82 $\pm 20\%$	22 Typ.	20 Max.	39 Typ.	37 Max.	2.5 Typ.	3.2 Max.	100KHz /0.25V
MPL1050R-1R0M	1 $\pm 20\%$	20 Typ.	18 Max.	32 Typ.	30 Max.	2.8 Typ.	3.5 Max.	100KHz /0.25V
MPL1050R-1R2M	1.2 $\pm 20\%$	19.5 Typ.	18 Max.	29 Typ.	27 Max.	2.8 Typ.	3.5 Max.	100KHz /0.25V
MPL1050R-1R5M	1.5 $\pm 20\%$	15 Typ.	13 Max.	27.5 Typ.	26 Max.	3.9 Typ.	4.8 Max.	100KHz /0.25V
MPL1050R-2R2M	2.2 $\pm 20\%$	12 Typ.	11 Max.	21.5 Typ.	20 Max.	6.5 Typ.	8.2 Max.	100KHz /0.25V
MPL1050R-3R3M	3.3 $\pm 20\%$	10 Typ.	9 Max.	18.6 Typ.	17 Max.	9.2 Typ.	10.8 Max.	100KHz /0.25V
MPL1050R-4R7M	4.7 $\pm 20\%$	9.5 Typ.	8.5 Max.	16.5 Typ.	15 Max.	12.4 Typ.	15 Max.	100KHz /0.25V
MPL1050R-5R6M	5.6 $\pm 20\%$	8.5 Typ.	7.5 Max.	15 Typ.	14 Max.	18.9 Typ.	20 Max.	100KHz /0.25V
MPL1050R-6R8M	6.8 $\pm 20\%$	8 Typ.	7 Max.	14 Typ.	13 Max.	20.6 Typ.	24 Max.	100KHz /0.25V
MPL1050R-8R2M	8.2 $\pm 20\%$	7 Typ.	6 Max.	12.5 Typ.	11 Max.	27.4 Typ.	30 Max.	100KHz /0.25V
MPL1050R-100M	10 $\pm 20\%$	6.8 Typ.	6 Max.	11.5 Typ.	10 Max.	30.2 Typ.	35 Max.	100KHz /0.25V
MPL1050R-150M	15 $\pm 20\%$	5 Typ.	4.5 Max.	9 Typ.	8 Max.	48 Typ.	52.8 Max.	100KHz /0.25V
MPL1050R-220M	22 $\pm 20\%$	4.5 Typ.	4 Max.	8 Typ.	7.5 Max.	50 Typ.	58 Max.	100KHz /0.25V
MPL1050R-330M	33 $\pm 20\%$	3.5 Typ.	3 Max.	6.5 Typ.	6 Max.	89 Typ.	105 Max.	100KHz /0.25V
MPL1050R-470M	47 $\pm 20\%$	3 Typ.	2.5 Max.	5 Typ.	4.5 Max.	110 Typ.	130 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL1050R-680M	68 $\pm 20\%$	2 Typ.	1.5 Max.	3 Typ.	2.5 Max.	171 Typ.	190 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL1260R-3R3M	3.3 $\pm 20\%$	16 Typ.	14 Max.	25 Typ.	23 Max.	6.5 Typ.	8 Max.	100KHz /0.25V
MPL1260R-4R7M	4.7 $\pm 20\%$	13 Typ.	12 Max.	22.5 Typ.	21 Max.	8.5 Typ.	13 Max.	100KHz /0.25V
MPL1260R-5R6M	5.6 $\pm 20\%$	12.5 Typ.	11 Max.	20 Typ.	18 Max.	10.5 Typ.	14 Max.	100KHz /0.25V
MPL1260R-6R8M	6.8 $\pm 20\%$	11.5 Typ.	10 Max.	18.5 Typ.	17 Max.	11 Typ.	14 Max.	100KHz /0.25V
MPL1260R-8R2M	8.2 $\pm 20\%$	10 Typ.	9 Max.	16.5 Typ.	14 Max.	13.6 Typ.	16 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL1265R-100M	10 $\pm 20\%$	9 Typ.	8 Max.	16 Typ.	14 Max.	18 Typ.	20.7 Max.	100KHz /0.25V
MPL1265R-150M	15 $\pm 20\%$	8 Typ.	7 Max.	12 Typ.	13 Max.	29 Typ.	34 Max.	100KHz /0.25V
MPL1265R-220M	22 $\pm 20\%$	6 Typ.	5 Max.	10 Typ.	9 Max.	34 Typ.	39.5 Max.	100KHz /0.25V
MPL1265R-330M	33 $\pm 20\%$	4.5 Typ.	4 Max.	7.5 Typ.	6.5 Max.	65 Typ.	75 Max.	100KHz /0.25V
MPL1265R-470M	47 $\pm 20\%$	4 Typ.	3.5 Max.	6 Typ.	5.5 Max.	80 Typ.	90 Max.	100KHz /0.25V
MPL1265R-680M	68 $\pm 20\%$	3 Typ.	2.5 Max.	4.5 Typ.	4 Max.	120 Typ.	140 Max.	100KHz /0.25V

⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL1770R-1R5M	1.5 $\pm 20\%$	40 Typ.	38 Max.	40 Typ.	38 Max.	1.85 Typ.	2.15 Max.	100KHz /0.25V
MPL1770R-2R2M	2.2 $\pm 20\%$	34 Typ.	32 Max.	37 Typ.	35 Max.	2.5 Typ.	2.5 Max.	100KHz /0.25V
MPL1770R-4R7M	4.7 $\pm 20\%$	24 Typ.	22 Max.	27 Typ.	25 Max.	4.12 Typ.	4.7 Max.	100KHz /0.25V
MPL1770R-6R8M	6.8 $\pm 20\%$	20 Typ.	18 Max.	22 Typ.	20 Max.	6.55 Typ.	7.55 Max.	100KHz /0.25V
MPL1770R-8R2M	8.2 $\pm 20\%$	16 Typ.	14 Max.	20 Typ.	18 Max.	8.1 Typ.	8.7 Max.	100KHz /0.25V
MPL1770R-100M	10 $\pm 20\%$	14 Typ.	12 Max.	18 Typ.	16 Max.	9.3 Typ.	10 Max.	100KHz /0.25V
MPL1770R-150M	15 $\pm 20\%$	12 Typ.	11 Max.	13 Typ.	11 Max.	14.5 Typ.	15.5 Max.	100KHz /0.25V
MPL1770R-220M	22 $\pm 20\%$	9.5 Typ.	8.5 Max.	11 Typ.	10 Max.	20.5 Typ.	23 Max.	100KHz /0.25V
MPL1770R-330M	33 $\pm 20\%$	9 Typ.	8 Max.	10 Typ.	9 Max.	35.1 Typ.	37 Max.	100KHz /0.25V



⊕ Electrical Characteristics :

RSiN P/N	Inductance (μ H)	I _{rms} (Amp)		I _{sat} (Amp)		DCR (m Ω)		Test Frequency
MPL1770R-470M	47 \pm 20%	6.8 Typ.	6 Max.	7.5 Typ.	6.5 Max.	41 Typ.	47 Max.	100KHz /0.25V
MPL1770R-680M	68 \pm 20%	5.2 Typ.	4.5 Max.	6.5 Typ.	6 Max.	74 Typ.	85 Max.	100KHz /0.25V

NOTE:

1. All test data is referenced to 25°C ambient.
2. I_{rms}: DC current(A) that will cause an approximate Δ T of 40°C.
3. I_{sat}: DC current(A) that will cause L_o to drop approximate 30%.
4. Operating temperature range is -55°C to 125°C.
5. The Part temperature (ambient + Δ T) should not exceed 125°C under worst case operating conditions.
6. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all effect the part temperature. Part temperature should be verified in the end application.

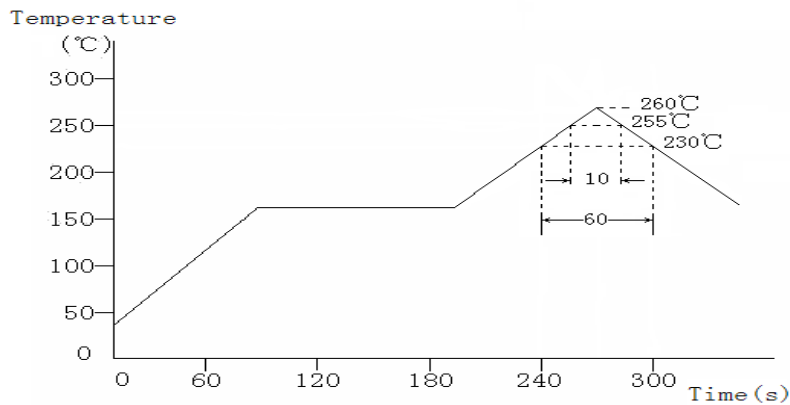
⊕ Mechanical Reliablilty

項目 Item	Conditions	Specification
Solderability	Solder heat proof: Preheating: 180 ±10°C 90 seconds Soldering: 255 ±5°C for 3 ±1 sec	The surface of terminal/pin tested shall be covered with new solder by 95%
Shock	Drop down with 981m/s ² (100G) shock Attitude upon a rubber block method shock testing machinem, 3 tests.	Inductance change within ± 5% Without mechanical damage
Vibration	Vibration frequency: 10Hz to 55Hz to 10Hz 60, seconds cycle Vibration time: 2 hours	Inductance change within ± 5% Without mechanical damage

⊕ Endurance Reliablilty

項目 Item	Conditions	Specification
Thermal Shock	-55°C, (30 mins) -> room temp. (5 mins) -> 125°C, (30 mins) -> room temp. (5 mins) 100 cycles	Inductance change within ± 5% Without mechanical damage
Heat Resistance	Apply IDC current @ 85°C ambient Duration: 1000 hrs	Inductance change within ± 5% Without mechanical damage
Humidity Resistance	Apply IDC current @ 60°C ambient Humidity: 90~95% Duration: 1000 hrs	Inductance change within ± 5% Without mechanical damage
Low Temp. Storing	Storing Temp. -55 ±2 °C for total 1,000 +4/-0 hours	Inductance change within ± 5% Without mechanical damage
High Temp. Storing	Storing Temp. 125 ±2 °C for total 1,000 +4/-0 hours	Inductance change within ± 5% Without mechanical damage

⊕ Reflow Soldering Heat Endurance

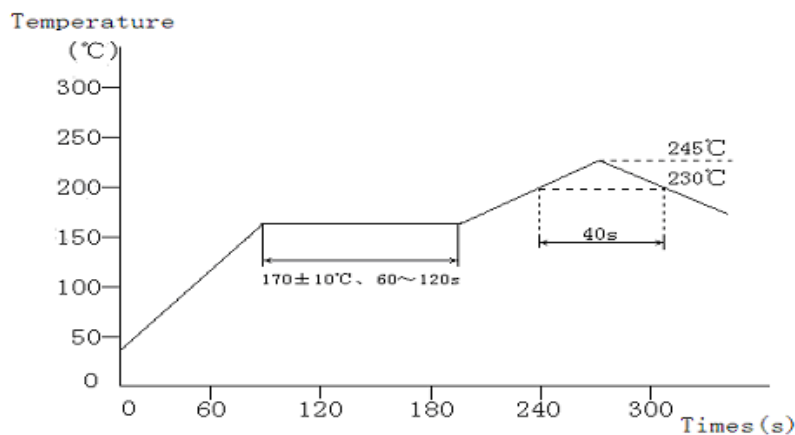


No mechanical and electrical defects are found after testing based on the above profile and keeping under the conditions of room temperature and humidity for 2 hours.

Twice reflow test is acceptable with the test interval remaining 1 hour under the normal conditions.

The reflow test profile may vary with the testing instruments.

⊕ Recommended Reflow Conditions

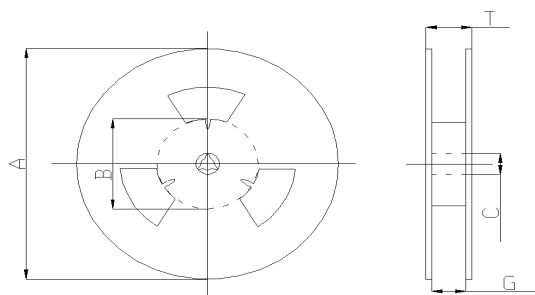


The recommended reflow profile is based on the testing instruments used. Solder ability will depend on the testing equipments, reflow conditions, testing method, etc. So it is necessary to make a confirmation of them when the reflow conditions are set up.

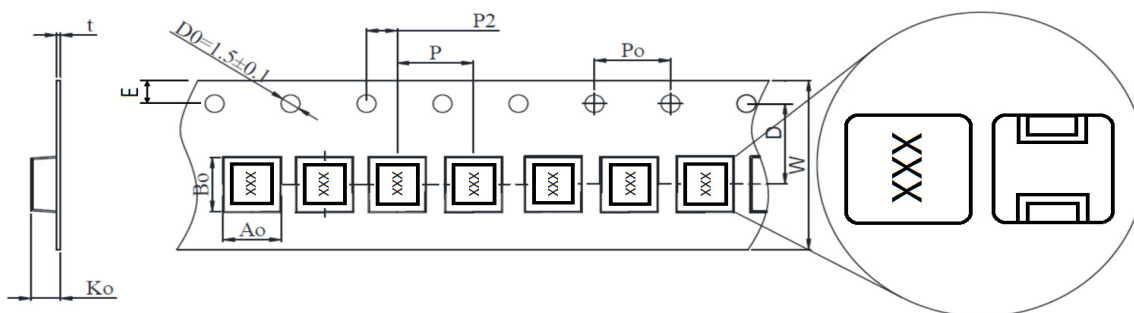
However halogen lamp shall be used, side heat will be beyond range of resistance heat, so we can't recommend it.

⊕ Reel Dimension(m/m)

Item	A	B	C	G	T
MPL04_R	330±1	100±1	13±1	12.5±1	14.5±2
MPL05_R	330±1	100±1	13±1	12.5±1	14.5±2
MPL06_R	330±1	100±1	13±1	16.5±1	20.4±2
MPL10_R	330±1	100±1	13±1	24.0±1	28.5±2
MPL12_R	330±1	100±1	13±1	24.0±1	28.5±2
MPL17_R	330±1	100±1	13±1	32.0±1	36.0±2



⊕ Taping Dimension(m/m)



Item	W	Ao	Bo	Ko	D	D0	E	P	Po	P2	t
MPL0420R	12±0.5	4.4±0.15	5±0.15	2.1±0.15	5.5±0.1	1.5±0.1	1.75±0.1	8±0.1	4±0.1	2±0.1	0.22±0.05
MPL0520R	16±0.5	5.8±0.15	6.2±0.15	2.2±0.15	7.5±0.1	1.5±0.1	1.75±0.1	8±0.1	4±0.1	2±0.1	0.35±0.05
MPL0530R	16±0.5	5.8±0.15	6.2±0.15	3.2±0.15	7.5±0.1	1.5±0.1	1.75±0.1	8±0.1	4±0.1	2±0.1	0.35±0.05
MPL0620R	16±0.5	7.2±0.15	8±0.15	2.1±0.15	7.5±0.1	1.5±0.1	1.75±0.1	12±0.15	4±0.1	2±0.1	0.35±0.05
MPL0624R	16±0.5	7.2±0.15	8±0.15	2.5±0.15	7.5±0.1	1.5±0.1	1.75±0.1	12±0.15	4±0.1	2±0.1	0.35±0.05
MPL0630R	16±0.5	7.2±0.15	8±0.15	3.1±0.15	7.5±0.1	1.5±0.1	1.75±0.1	12±0.15	4±0.1	2±0.1	0.35±0.05
MPL0640R	16±0.5	7.2±0.15	8±0.15	4.3±0.15	7.5±0.1	1.5±0.1	1.75±0.1	12±0.15	4±0.1	2±0.1	0.4±0.05
MPL0650R	16±0.5	7.2±0.15	8±0.15	5.2±0.15	7.5±0.1	1.5±0.1	1.75±0.1	12±0.15	4±0.1	2±0.1	0.4±0.05
MPL1040R	24±0.5	10.8±0.15	10.8±0.15	4.1±0.15	11.5±0.1	1.5±0.1	1.75±0.1	16±0.15	4±0.1	2±0.1	0.4±0.05
MPL1050R	24±0.5	10.8±0.15	10.8±0.15	5.1±0.15	11.5±0.1	1.5±0.1	1.75±0.1	16±0.15	4±0.1	2±0.1	0.4±0.05
MPL1260R	24±0.5	13.3±0.15	14.2±0.15	6.1±0.15	11.5±0.1	1.5±0.1	1.75±0.1	16±0.15	4±0.1	2±0.1	0.4±0.05
MPL1265R	24±0.5	13.3±0.15	14.2±0.15	6.6±0.15	11.5±0.1	1.5±0.1	1.75±0.1	16±0.15	4±0.1	2±0.1	0.4±0.05
MPL1770R	32±0.5	18.5±0.15	18±0.15	7.75±0.15	14.2±0.1	1.5±0.1	1.75±0.1	24±0.15	4±0.1	2±0.1	0.4±0.05

⊕ Packaging Carton

Item	Reel Packing Unit	Inner Box Packing Unit	Carton Packing Unit
MPL0420R	3000 PCS / Reel	9000 PCS / Box	18000 PCS / Box
MPL0520R	3000 PCS / Reel	9000 PCS / Box	27000 PCS / Box
MPL0530R	2000 PCS / Reel	6000 PCS / Box	18000 PCS / Box
MPL0620R	3000 PCS / Reel	9000 PCS / Box	18000 PCS / Box
MPL0624R	2000 PCS / Reel	6000 PCS / Box	12000 PCS / Box
MPL0630R	1000 PCS / Reel	3000 PCS / Box	6000 PCS / Box
MPL0640R	1000 PCS / Reel	3000 PCS / Box	6000 PCS / Box
MPL0650R	1000 PCS / Reel	3000 PCS / Box	6000 PCS / Box
MPL1040R	1000 PCS / Reel	2000 PCS / Box	4000 PCS / Box
MPL1050R	800 PCS / Reel	1600 PCS / Box	3200 PCS / Box
MPL1260R	500 PCS / Reel	1000 PCS / Box	2000 PCS / Box
MPL1265R	500 PCS / Reel	1000 PCS / Box	2000 PCS / Box
MPL1770R	250 PCS / Reel	500 PCS / Box	1500 PCS / Box

