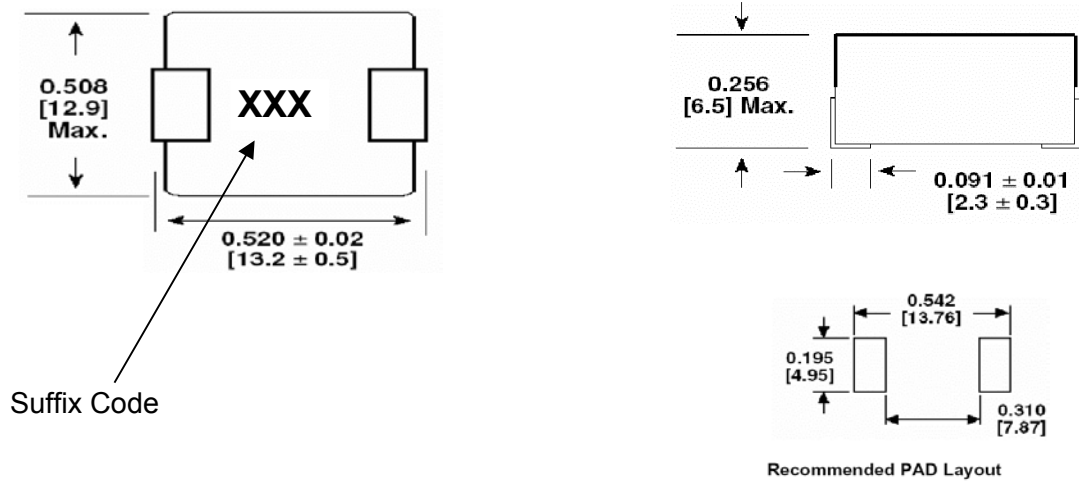


Product Description	SMD High Current 13.2x12.9x6.5 modified Inductor
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Information subject to change without notice. Primary units are in inches. Millimeters are in brackets.

Electrical Specifications at +20°C unless noted otherwise

MODEL NUMBER	Initial Inductance μH		DC Resistance $\text{m}\Omega$		I _{rms} (ampere) *	I _{sat} (ampere)*
MGPWL-00232	0.40	±20%	1.0	Max	44.0	64.0
MGPWL-00233	0.80	±20%	1.9	Max	33.0	50.0
MGPWL-00234	1.40	±20%	3.0	Max	28.0	46.0
MGPWL-00235	0.10	±20%	0.5	Max	60.0	120.0
MGPWL-00236	0.15	±20%	0.6	Max	55.0	118.0
MGPWL-00237	0.20	±20%	0.7	Max	54.0	115.0
MGPWL-00238	0.22	±20%	0.7	Max	53.0	112.0
MGPWL-00239	0.33	±20%	0.9	Max	46.0	65.0
MGPWL-00240	0.47	±20%	1.2	Max	41.0	63.0
MGPWL-00241	0.68	±20%	1.6	Max	35.0	60.0
MGPWL-00242	0.82	±20%	1.9	Max	33.0	50.0
MGPWL-00243	1.00	±20%	2.0	Max	32.0	49.0
MGPWL-00244	1.50	±20%	3.0	Max	27.0	45.0
MGPWL-00245	2.20	±20%	4.2	Max	22.0	40.0
MGPWL-00246	3.30	±20%	6.8	Max	18.0	35.0
MGPWL-00247	4.70	±20%	11.2	Max	13.5	30.0
MGPWL-00248	6.80	±20%	14.0	Max	11.5	16.5
MGPWL-00249	8.20	±20%	15.5	Max	10.5	16.0
MGPWL-00250	10.00	±20%	16.8	Max	10.0	15.5

- Note:
1. All test data is referenced to 25°C ambient
 2. I_{rms} * shows that the DC current (A) that will cause an approximate ΔT of 40°C.
 3. I_{sat}* shows that the DC current (A) that will cause Initial inductance to drop approximately 20%.
 4. Operating temperature range from -45°C to +125°C

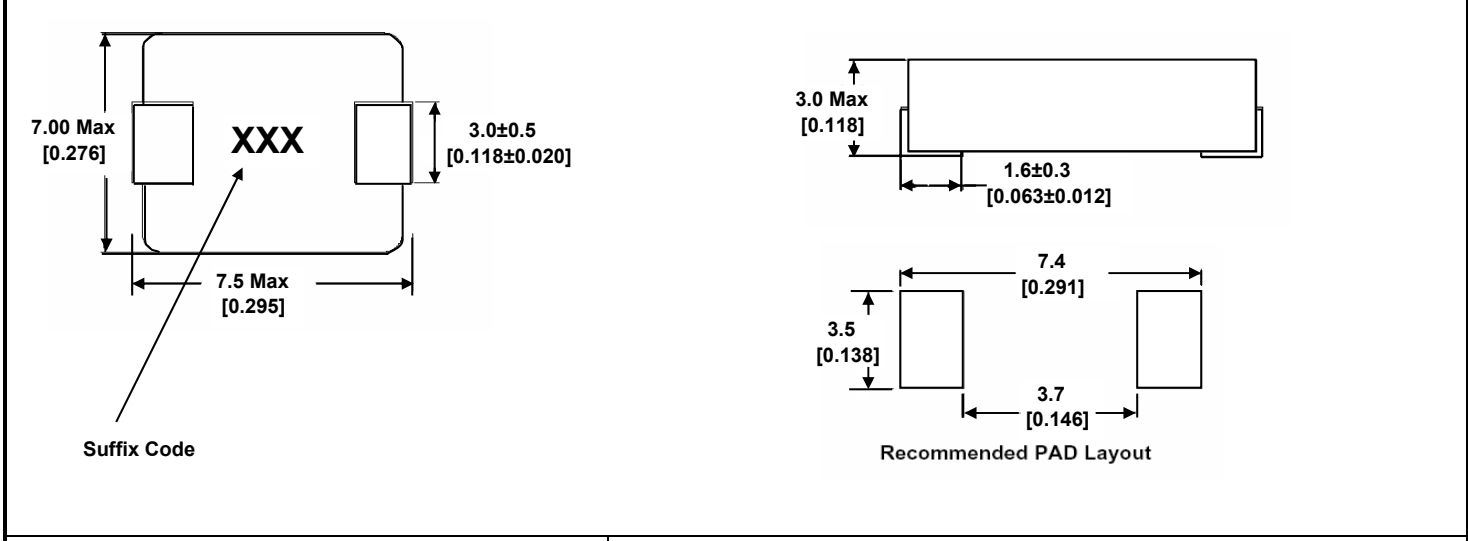
Terminal Plating is Gold Flash over Ni
260°C Maximum reflow temperature per J-STD-020
Operating Temperature Range: -40°C to +85°C



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TEL:1-800-468-2023 FAX:1-800-399-0188 Specifications subject to change without notice. For latest revision visit www.tycoelectronics.com

Product Description	SMD High Current 7x7.5x3 modified Inductor
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Information subject to change without notice.

Primary units are in inches. Millimeters are in brackets.

Electrical Specifications at +20°C unless noted otherwise

MODEL NUMBER	Initial Inductance μ H	DC Resistance m Ω	I _{rms} (ampere) *	I _{sat} (ampere)*		
MGPWL-00251	0.10	±20%	1.7	Max	32.5	60.0
MGPWL-00252	0.15	±20%	2.5	Max	26.0	52.0
MGPWL-00253	0.20	±20%	3.0	Max	24.0	41.0
MGPWL-00254	0.22	±20%	2.8	Max	23.0	40.0
MGPWL-00255	0.33	±20%	3.9	Max	20.0	30.0
MGPWL-00256	0.47	±20%	4.2	Max	17.5	26.0
MGPWL-00257	0.68	±20%	5.5	Max	15.5	25.0
MGPWL-00258	0.82	±20%	8.0	Max	13.0	24.0
MGPWL-00259	1.00	±20%	10.0	Max	11.0	22.0
MGPWL-00260	1.50	±20%	15.0	Max	9.0	18.0
MGPWL-00261	2.20	±20%	20.0	Max	8.0	14.0
MGPWL-00262	3.30	±20%	30.0	Max	6.0	13.5
MGPWL-00263	4.70	±20%	40.0	Max	5.5	10.0
MGPWL-00264	6.80	±20%	60.0	Max	4.5	8.0
MGPWL-00265	8.20	±20%	68.0	Max	4.0	7.5
MGPWL-00266	10.00	±20%	105.0	Max	3.0	7.0

Note:

1. All test data is referenced to 25°C ambient
2. I_{rms} * shows that the DC current (A) that will cause an approximate ΔT of 40°C.
3. I_{sat}* shows that the DC current (A) that will cause Initial inductance to drop approximately 20%.
4. Operating temperature range from -45°C to +125°C

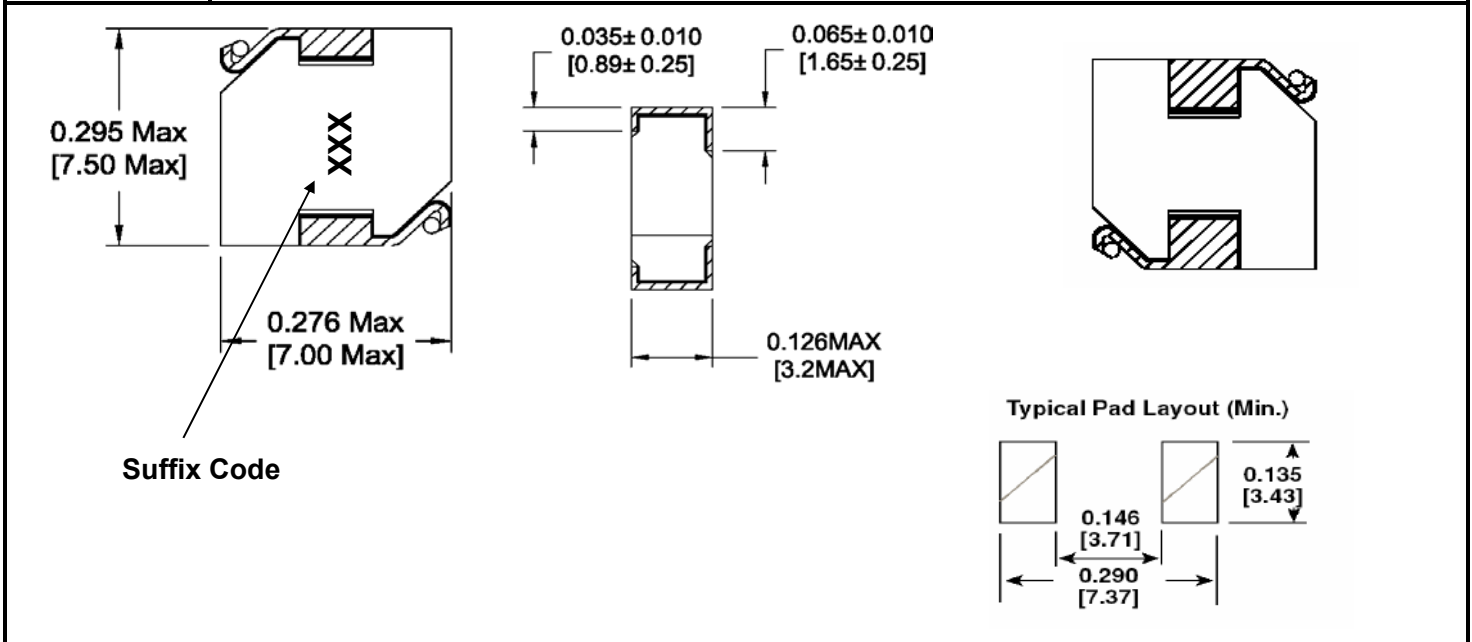
Terminal Plating is Gold Flash over Ni
260°C Maximum reflow temperature per J-STD-020
Operating Temperature Range: -40°C to +85°C



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Product Description	SMD High Current 7x7.5x3 modified Inductor
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Information subject to change without notice.

Primary units are in inches. Millimeters are in brackets.

Electrical Specifications at +20°C unless noted otherwise

MODEL NUMBER	Initial Inductance μ H	DC Resistance m Ω	I _{rms} (ampere) *	I _{sat} (ampere)*
MGPWL-00225	1.00 ±20%	10.0 Max	11.0	22.0
MGPWL-00226	1.50 ±20%	15.0 Max	9.0	18.0
MGPWL-00227	0.47 ±20%	4.2 Max	17.5	26.0
MGPWL-00228	0.68 ±20%	5.5 Max	15.5	25.0
MGPWL-00229	3.30 ±20%	30.0 Max	6.0	13.5
MGPWL-00230	2.20 ±20%	20.0 Max	8.0	14.0
MGPWL-00231	4.70 ±20%	40.0 Max	5.5	10.0
MGPWL-00283	10.0 ±20%	105.0 Max	3.0	7.0
MGPWL-00284	0.82 ±20%	8.0 Max	13.0	24.0
MGPWL-00287	0.22 ±20%	2.8 Max	23.0	40.0
MGPWL-00288	0.33 ±20%	3.9 Max	20.0	30.0

Note:

1. All test data is referenced to 25°C ambient
2. I_{rms} * shows that the DC current (A) that will cause an approximate Δ T of 40°C.
3. I_{sat}* shows that the DC current (A) that will cause Initial inductance to drop approximately 20%.
4. Operating temperature range from -45°C to +125°C

Terminal Plating is Gold Flash over Ni
260°C Maximum reflow temperature per J-STD-020
Operating Temperature Range: -40°C to +85°C



RoHS Compliant

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