

SERIES:

MGDH3

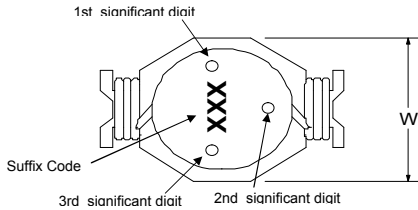
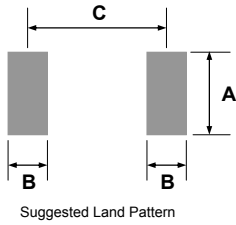


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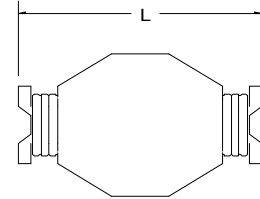
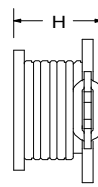
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Low Profile, High Current Power Inductors



Parts will be marked with Significant Diat Dots OR Suffix code



Series Number	Maximum Dimensions			Reference Dimensions			
	Units	L	W	H	A	B	C
MGDH3	inches	0.880"	0.640"	0.315"	0.340"	0.125"	0.690"
	[ mm ]	[ 22.35 ]	[ 16.26 ]	[ 8.00 ]	[ 8.64 ]	[ 3.18 ]	[ 17.53 ]

Features:

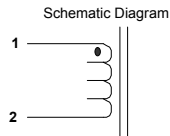
- High energy storage and low resistance
- Reliable surface mounting, flat top for pick and place.
- Smaller real estate than other common inductors.
- Robust temperature deflection to prevent damage during solder reflow.
- Tape and Reel mechanical specifications available upon request.
- Operating Temperature -40°C to +85°C.
- Highly resistive core for EMI suppression applications.
- Lead Free RoHS Compliant

Notes:

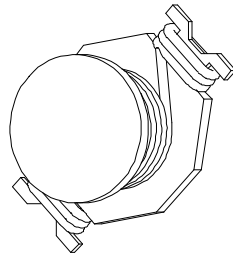
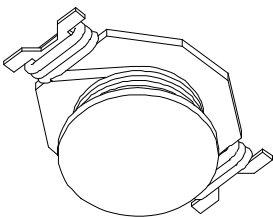
- Inductance measured at 100kHz and 100mVrms.
- Isat is a maximum applied AC + DC current.
- Isat current is applied to produce a typical 10% drop in nominal inductance.
- Tolerance suffix of M = ±20%.
- DCR is a maximum at 20°C.
- Irms current is applied to produce a typical 40°C temperature rise.



Terminal Plating is Hot-dipped SnAgCu  
 260°C Maximum reflow temperature per J-STD020



Lead-free Part Number	L $\mu$ H	MGDH3			
		DCR $\Omega$	I <sub>SAT</sub> A	I <sub>RMS</sub>	Tolerance Suffix
MGDH3-00001	0.78	0.0026	30.0	15.0	M
MGDH3-00002	1.5	0.0040	25.0	15.0	M
MGDH3-00003	2.2	0.0061	20.0	12.0	M
MGDH3-00004	3.3	0.0086	17.0	10.0	M
MGDH3-00005	3.9	0.0100	15.0	9.0	M
MGDH3-00006	4.7	0.0140	13.0	8.4	M
MGDH3-00007	6.0	0.0170	12.0	7.5	M
MGDH3-00008	7.8	0.0180	11.0	7.5	M
MGDH3-00009	10	0.0260	10.0	6.0	M
MGDH3-00010	15	0.0320	8.0	4.4	M
MGDH3-00015	22	0.0450	7.6	4.5	M



Contact CoEv for additional inductance values

Specifications subject to change

Call Toll Free: 888-978-2638 Website: [www.tycopowercomponents.com](http://www.tycopowercomponents.com)