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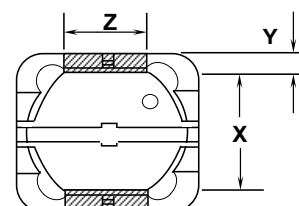
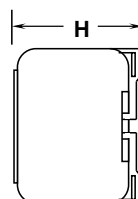
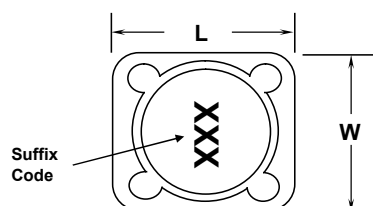
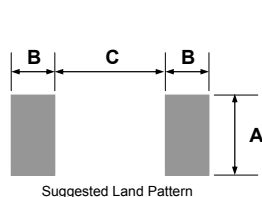
[TE Connectivity](#)
[MGDQ4-00004](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

SERIES:	 	3003 9th Avenue SW PO Box 50 Watertown, SD 57201 Toll free: 888-978-2638 Ph: 605-886-3326 Fax: 605-886-8995	
MGDQ4			

Low Profile, High Current Power Inductors



Series Number	Maximum Dimensions				Reference Dimensions					
	Units	L	W	H	X	Y	Z	A	B	C
	inches	0.295"	0.295"	0.177"	0.197"	0.047"	0.079"	0.084"	0.052"	0.189"
MGDQ4	[mm]	[7.50]	[7.50]	[4.50]	[5.00]	[1.20]	[2.00]	[2.13]	[1.33]	[4.80]

Features:

- **Advantages:**
- 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.

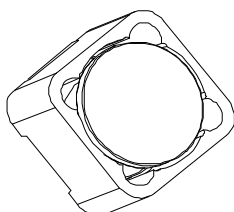
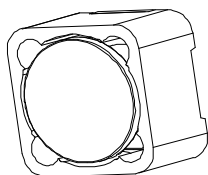
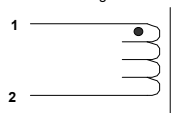


260°C Maximum reflow temperature per J-STD020
Terminal Plating is Gold Flash over Ni

Notes:

- Inductance measured at 100kHz and 250mVrms.
- Isat is a maximum applied AC + DC current.
- Isat current is applied to produce a typical 35% drop in nominal inductance.
- Tolerance suffix of M = $\pm 20\%$.
- DCR is a maximum at 20°C.

Schematic Diagram



Contact CoEv for additional inductance values

[illegible]

Specifications subject to change.

Call Toll Free: 888-978-2638 Website: www.tycopowercomponents.com