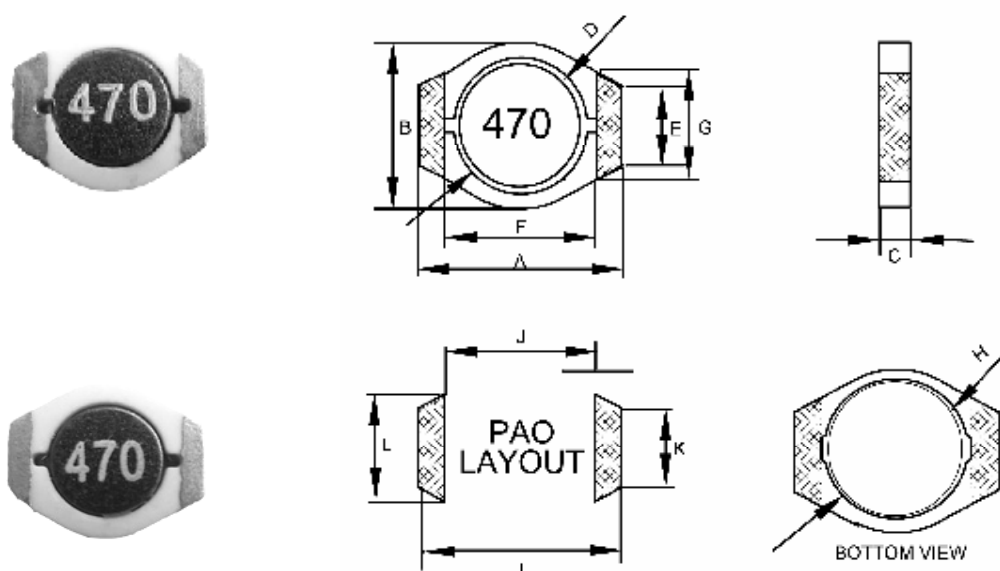## Shape and size: (Dimensions are in mm)

ITEM	A (max)	B (max)	C	D	E	F	G	H	I	J	K	L
SMTDR0401G	6.7	5.6	1.0+0.1	3.7	2.5	4.9	3.4	4.2	6.9	4.7	2.5	3.8
SMTDR0401T	6.7	5.6	1.0+0.1	3.7	2.5	4.9	3.4	4.2	6.9	4.7	2.5	3.8

Features:

· Smallest size and high performance.

· High energy storage and very low resistance.

· Specially designed drum core and ceramic case provides

  the best reliability.

Ordering information:

SMT   DR0401 - G - 470 M

 (1)   (2)   (3) (4)   (5)

(1) Type: **S**urface **M**ountable **T**ype.

(2) Style: **DR** core, **0401** is size.

(3) Terminal:**G**:with Gold wraparound,**T**:with Tin wraparound.

(4) Inductance: **470** for **47** uH.

(5) Inductance tolerance: **M**: ± 20%

Inductance and rated current ranges:

· SMTDR0401   1.2~330uH   1.7~0.13A

· Test equipment :

  L tested by Agilent 4284A LCR meter @ 100KHz 0.1V.

  DCR tested by Milli-ohm meter.

· Electrical specifications at 25^{0}C.

Characteristics:

· I sat: The current when the inductance becomes 10% lower

  than its initial value. (Ta=20℃).

· I rms: The current when temperature of coil increases up to

  Max. △T=40℃. (Ta=20℃)

· Operating temperature : -0 to 85^{0}C.

Applications:

· Notebook computers, step-up and step-down converters.

· Flash, memory programmers, etc.

3L Electronic Corp.   Website: www.3lcoil.com   U.S: www.3lglobal.com

10.1

3L ELECTRONIC CORPORATION

3L COILS

GPMS

Part No.	Inductance	Test	DCR	Rated Current	
		Frep.	OHM	(A) Max.	
	L (uH)	(0.1V)	Max.	I sat	I rms
SMTDR0401G-1R2M	1.2	100 KHz	0.08	2.1	1.7
SMTDR0401G-1R5M	1.5	100 KHz	0.10	1.9	1.5
SMTDR0401G-2R2M	2.2	100 KHz	0.12	1.6	1.4
SMTDR0401G-3R3M	3.3	100 KHz	0.16	1.3	1.2
SMTDR0401G-4R7M	4.7	100 KHz	0.20	1.1	1.1
SMTDR0401G-6R8M	6.8	100 KHz	0.32	0.90	0.85
SMTDR0401G-100M	**10**	**100 KHz**	**0.41**	**0.80**	**0.75**
SMTDR0401G-150M	15	100 KHz	0.55	0.65	0.60
SMTDR0401G-220M	22	100 KHz	0.85	0.50	0.52
SMTDR0401G-330M	33	100 KHz	1.3	0.40	0.42
SMTDR0401G-470M	47	100 KHz	1.8	0.35	0.36
SMTDR0401G-680M	68	100 KHz	2.5	0.30	0.30
SMTDR0401G-101M	**100**	**100 KHz**	**3.5**	**0.25**	**0.26**
SMTDR0401G-151M	150	100 KHz	5.0	0.18	0.21
SMTDR0401G-221M	220	100 KHz	7.0	0.16	0.18
SMTDR0401G-331M	330	100 KHz	15.0	0.13	0.13
Tolerance of inductance: M: ±20%					

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