

SPECIFICATION FOR APPROVAL

CUSTOMER

立创商城

CUSTOMER P/N

SMMS0420-Series

SXN P/N

MPIF0420 Series

EDITION

A

SPEC.NO.:

SXN-SMMS0420

DATE:

2017/9/25

MADE BY:

CUSTOMER APPROVE

CHECKED BY:

APPROVED BY:

Please fax back after confirm of signature.

【 SPECIFICATION FOR APPROVAL 】

SXN P/N	SMMS0420 Series	DATE	2016/9/25	REV	A
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HIGH CURRENT SMT POWER INDUCTOR.–SMMS Series
Operating temperature range: -55°C~+125°C (Including self-heating)

1.PART NUMBERING SYSTEM

SMMS	0420	—	XXX	—	X
1	2		3		4

1.SERIES NAME

2.DIMENSIONS

3.INDUCTANCE

4.TOLERANCE CODE: J:±5% K:±10% L:±15% M:±20% P:±25% N:±30%

2.FEATURES:

Low profile and low DCR.

Shielded construction.

handles high transient current spikes without saturation
frequency up to 3MHz

Ultra Low buzz noise, due to composite construction

3.APPLICATIONS

PDA/Notebook/Desktop, and server applications

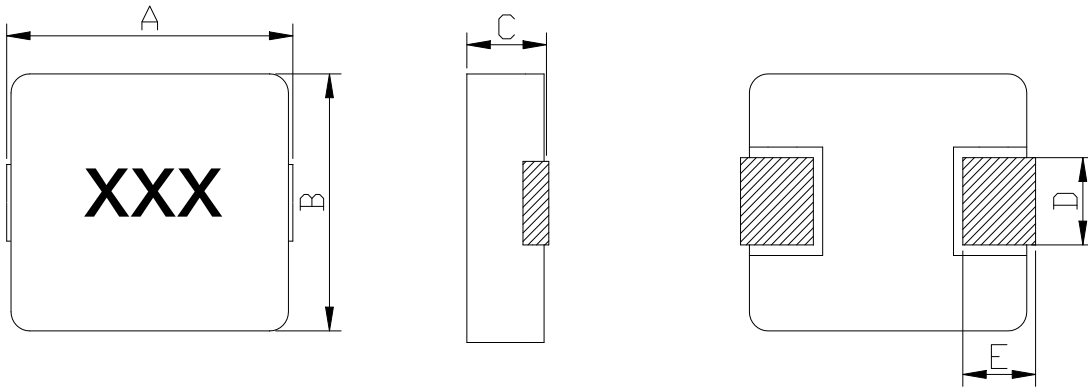
DC/DC converters in distributed power systems

DC/DC converter for Field Programmable Gate Array(FPGA)

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□1. Appearance shape (unit : mm)



2. Appearance size(unit : mm) Tolerance:

A	B	C	D	E
4.75	4.50	2.00	1.50	0.80
MAX	MAX	MAX	TYP	TYP

3. Test instruments

L tested by Wayne kerr 3260B LCR meter with Wayne kerr 3265B bias current source.

DCR tested by Milli-ohm meter.

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4. CHARACTERISTICS

P/N	Inductance 电感 @100KHz	DC Resistance 直流电阻 MAX(TYP)	Saturation Current 饱和电流	Heat Rating Current 温升电流	Marking 印字
Units	uH	mΩ	A	A	
Symbol	L	DCR	Isat	Irms	
SMMS0420-R22M	0.22±20%	6.6(6.0)	12.50	9.50	R22
SMMS420-R47M	0.47±20%	14.0(12.5)	9.50	7.50	R47
SMMS0420-R68M	0.68±20%	20.0(18.0)	9.00	7.50	R68
SMMS0420-1R0M	1.0±20%	27.0(24.0)	7.00	6.00	1R0
SMMS0420-1R5M	1.5±20%	46.0(38.0)	6.00	5.00	1R5
SMMS0420-2R2M	2.2±20%	58.0(52.0)	5.00	4.00	2R2
SMMS0420-3R3M	3.3±20%	87.0(74.0)	4.00	3.30	3R3
SMMS0420-4R7M	4.7±20%	110.0(92.0)	3.50	2.50	4R7
SMMS0420-6R8M	6.8±20%	175.0(160.0)	2.80	2.40	6R8
SMMS0420-100M	10.0±20%	282.0(256.0)	2.20	1.60	100

※1: All test data is referenced to 25° C ambient;

※2: Rated current: Isat or Irms, whichever is smaller;

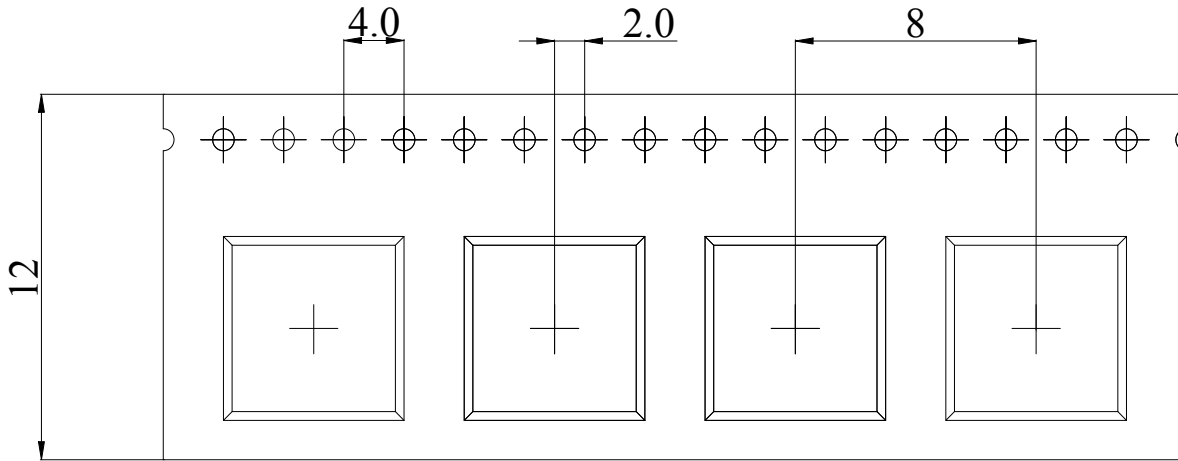
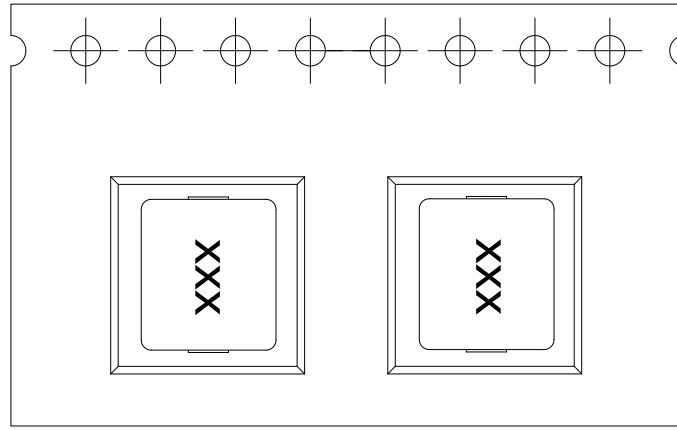
※*3: Isat: DC current at which the inductance drops approximate 30% from its value without current;

※*4: Irms: DC current that causes the temperature rise (ΔT =40° C) from 25° C ambient.

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5.DIMENSIONS FOR CARRIER TAPES:



2.PACKING(mm)

载带宽度 (W)	间距 (P)	卷(PCS) 13inch	3卷/2袋 (PCS)	2袋/内箱 (PCS)	6内箱/外箱 (PCS)
12mm	8mm	2000	6000	6000	36000

备注:

- 1.包装袋规格: 375*400mm (REF.) .
- 2.内箱规格: 340*70*340mm (REF.) .
- 3.外箱规格: 375*360*360mm (REF.) .