SMT Common Mode Chokes

1.0A to 20.0A

Pulse
A YAGEO Company

- *Wide variety of package sizes available*
- *1Arms to 20Arms current rating*
- *Inductances from 61uH to 10mH*
- ***Dielectric strength:*** *1500Vrms (380Vrms continuous)*

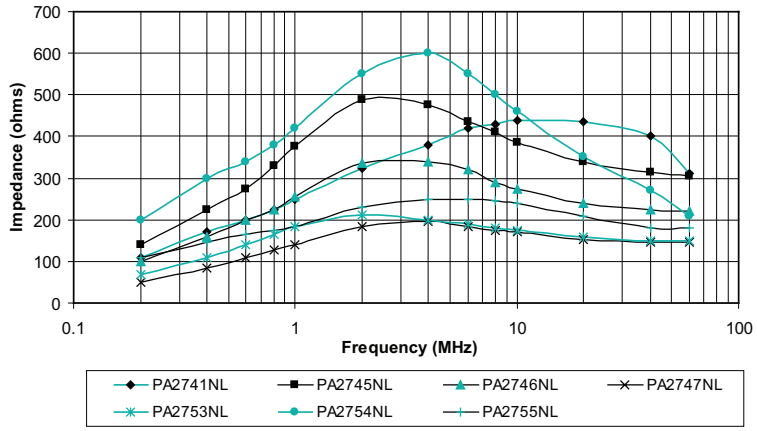
Electrical Specifications at 25 deg C Temp Range -40 ° C to 125 ° C

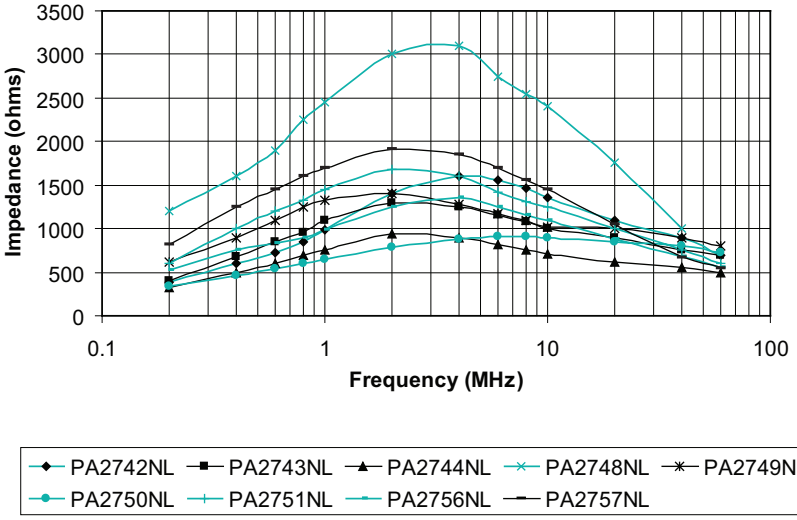
Part Number	Inductance[4] per Winding (uH +30%/-35%)	Irated[1] (Arms or Adc)	DCR per Winding (mΩ Max)	Leakage Inductance (uH Min)	Package Name	Package Size L x W x H (mm Max)
PA2742NL	397	1	92	0.6	High Shasta	9.1 x 8.9 x 7.9
PA2741NL	94	1.1	30	0.3	Low Shasta	9.1 x 8.9 x 3.8
PA2752NL	10150	1.4	210	25	LCCI-50	19.6 x 17.0 x 9.9
PA2748NL	1125	1.8	55	3	Polecat	12.7 x 13.2 x 5.6
PA3927NL	800	3	27	1.5	Polecat	13x13x8.6
PA2743NL	383*	3.3	18	1	Polecat	13.0 x 13.0 x 5.6
PA2749NL	536	3.8	17.1	1.2	LCCI-37	16.4 x 14.2 x 8.9
PA2744NL	280	4	13.2	0.7	Polecat	13.0 x 13.0 x 5.6
PA2751NL	486	4.2	16	1	LCCI-44LP	18.2 x 15.0 x 7.6
PA2745NL	130*	5	6.75	0.4	Polecat	13.2 x 13.2 x 5.6
PA2746NL	96*	6	4.3	0.25	Polecat	13.2 x 13.2 x 5.6
PA2750NL	400	6	9.4	1.25	LCCI-44	18.2 x 15.0 x 10.0
PA2747NL	61*	7	2.9	0.15	Polecat	13.5 x 13.5 x 5.6
PA2756NL	484	8	7.7	1.5	LCCI-50	19.6 x 17.0 x 9.9
PA2757NL	1030	9	9.75	3	HCCI-80	31.0 x 25.4 x 12.7
PA2754NL	215	10	3.75	0.5	Makeni	21.1 x 19.1 x 11.2
PA2753NL	95	12.5	3	0.15	LCCI-50	19.6 x 17.0 x 9.9
PA2755NL	117	14	1.95	0.3	Makeni	21.1 x 19.1 x 11.2
PA2670NL	500	16	4.25	1.5	HCCI-80	31.0x25.4x12.7
PG1265NL	380	20	4.1	1.2	HCCI-80	31.0x25.4x12.7

NOTE:

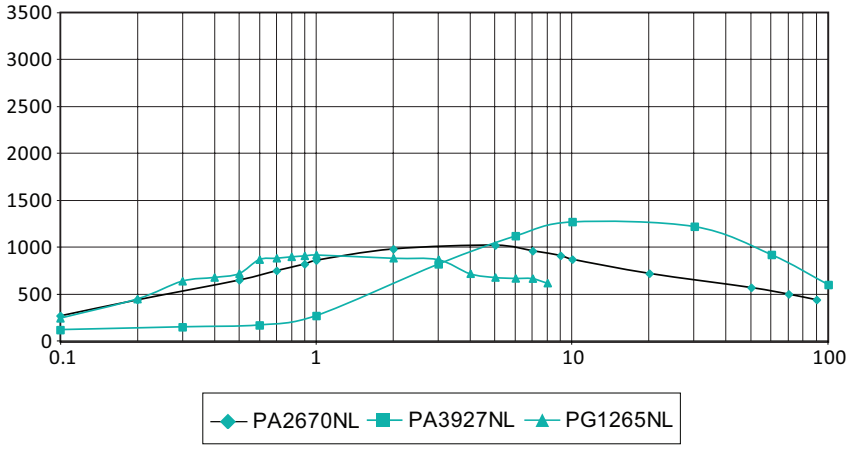
1. The current rating (Irated) is based upon the temperature rise of the component and represents the rms current which will cause a typical temperature rise of **55C with 50LFM forced cooling**
2. The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.
3. Optional Tape & Reel packaging can be ordered by adding a "**T**" suffix to the part number (i.e. PA2741NL becomes PA2741NL**T**). Pulse complies to industry standard tape and reel specification EIA481.
4. Components identified by an asterisk have an inductance tolerance of +/- 35%. All other components are +30/-35%.
5. Parts marked with the AEC-Q200 symbol are AEC-Q200 qualified. Parts not identified as AEC-Q200 are still under test.

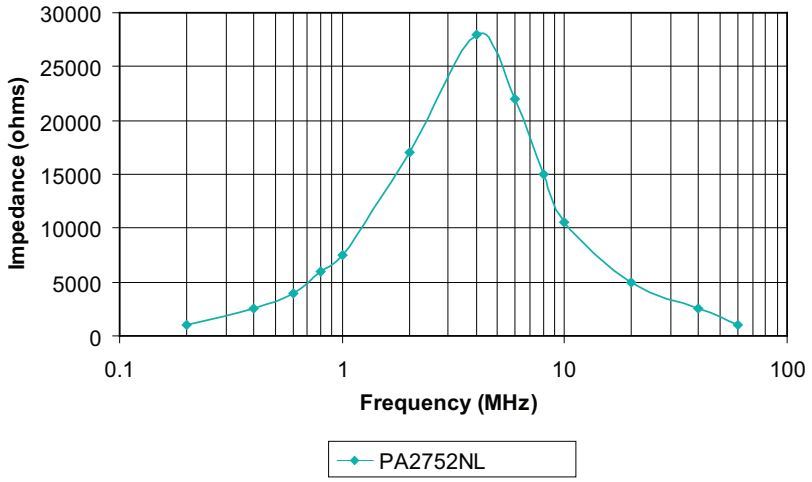
Impedance Plots





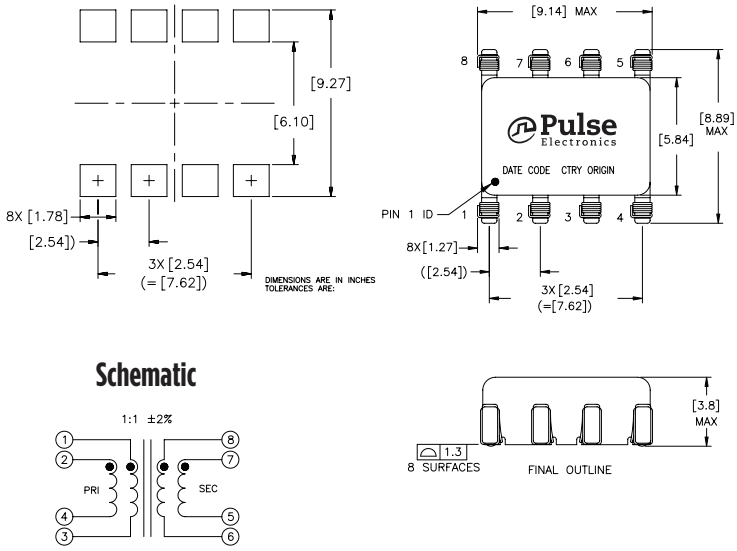
Impedance Plots





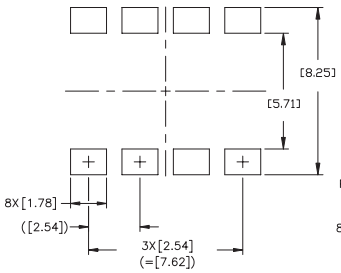
Mechanicals

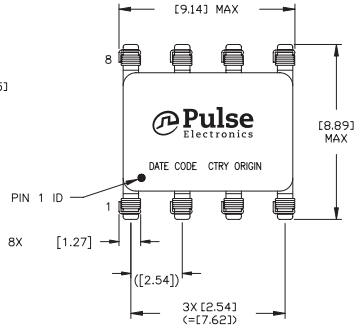
Low Shasta - PA2741NL



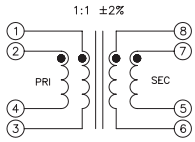
Schematic

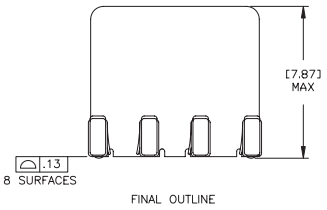
High Shasta - PA2742NL





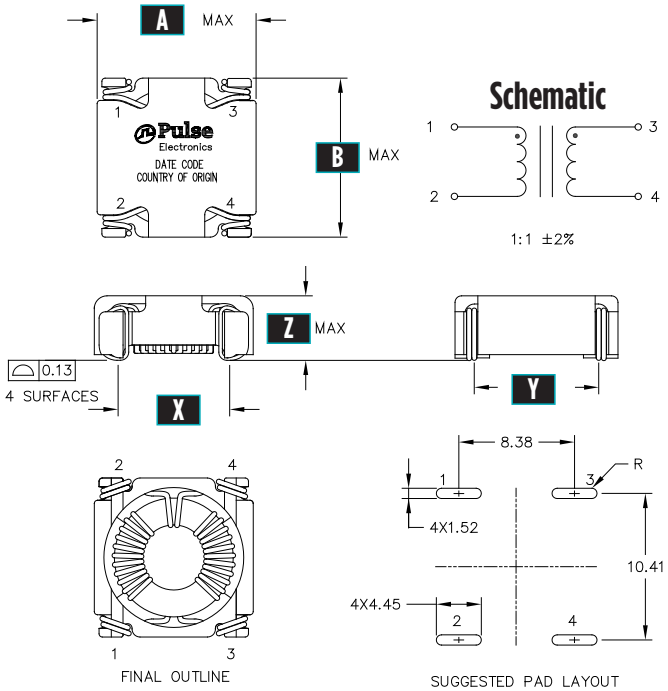
Schematic





Please note that for PA2741NL and PA2742NL the part should be connected as follows:
Customer to connect pins (1,2) and (4,3) together on board to form a single winding (1,2-4,3).
Customer to connect pins (8,7) and (5,6) together on board to form a single winding (8,7-5,6)
All ratings (leakage and DCR) are with respect to the above winding configuration.

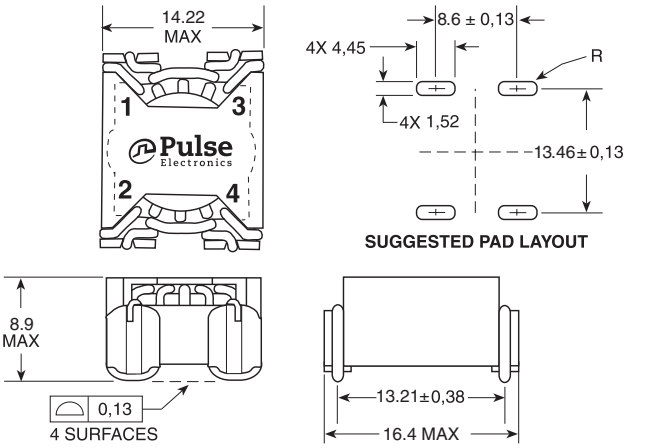
PoleCat - PA2743NL, PA2744NL, PA2745NL, PA2746NL, PA2747NL , PA2748NL and PA3927NL



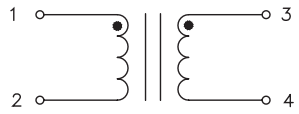
Polecat Dimensions					
Part Number	A	B	X	Y	Z
PA2743NL	13.0	13.0	8.4	10.4	5.6
PA2744NL	13.0	13.0	8.4	10.4	5.6
PA2745NL	13.2	13.2	8.6	10.7	5.6
PA2746NL	13.2	13.2	8.6	10.7	5.6
PA2747NL	13.5	13.5	8.6	10.7	5.6
PA2748NL	12.7	13.2	8.4	10.4	5.6
PA3927NL	13.0	13.0	8.4	10.4	8.6

Mechanicals

LCCI-37 - PA2749NL

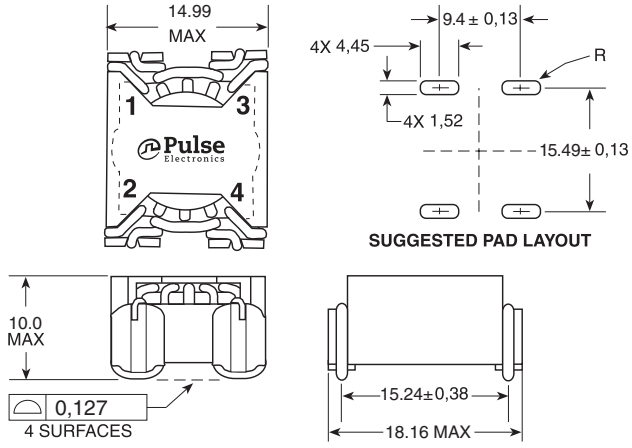


Schematic

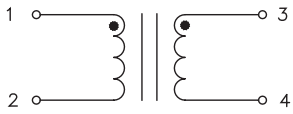


1:1 ±2%

LCCI-44 - PA2750NL

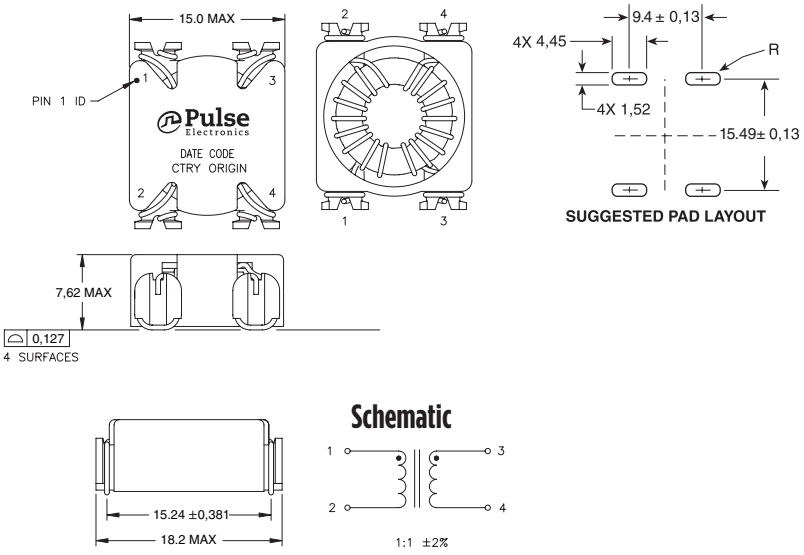


Schematic



1:1 ±2%

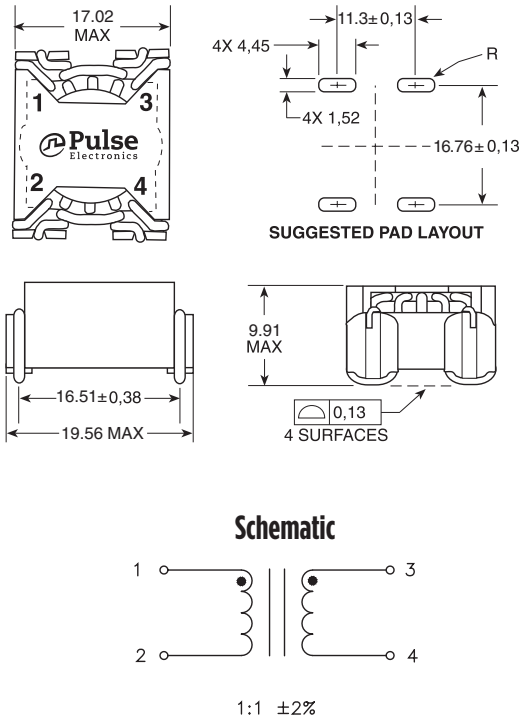
LCCI-44LP - PA2751NL



Schematic

1:1 ±2%

LCCI-50 - PA2752NL

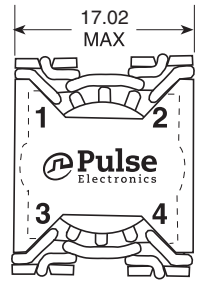


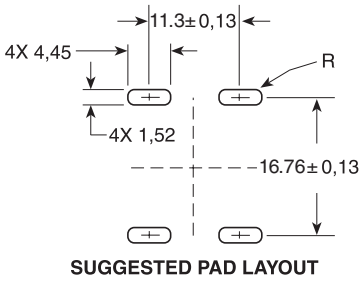
Schematic

1:1 ±2%

Mechanicals

LCCI-50 - PA2753NL and PA2756NL





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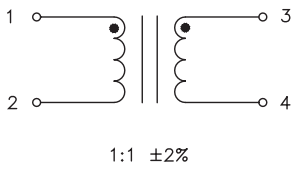
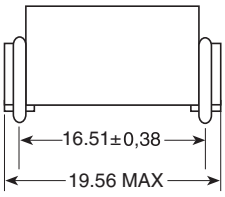
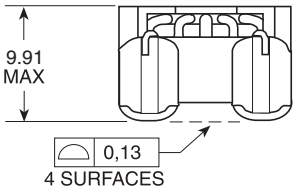
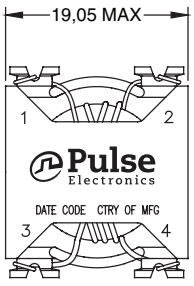
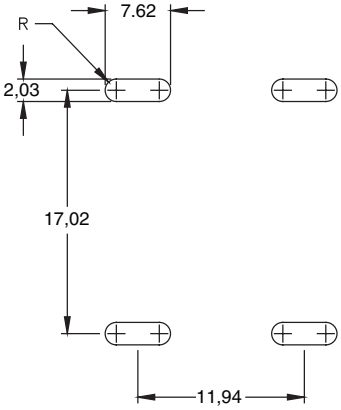


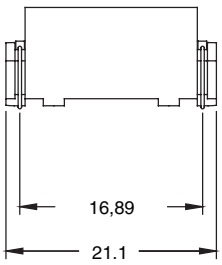




Makeni - PA2754NL, PA2755NL







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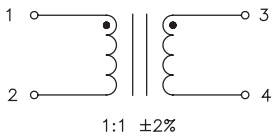
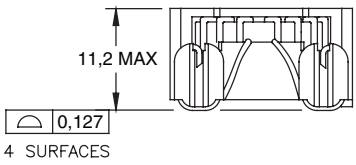
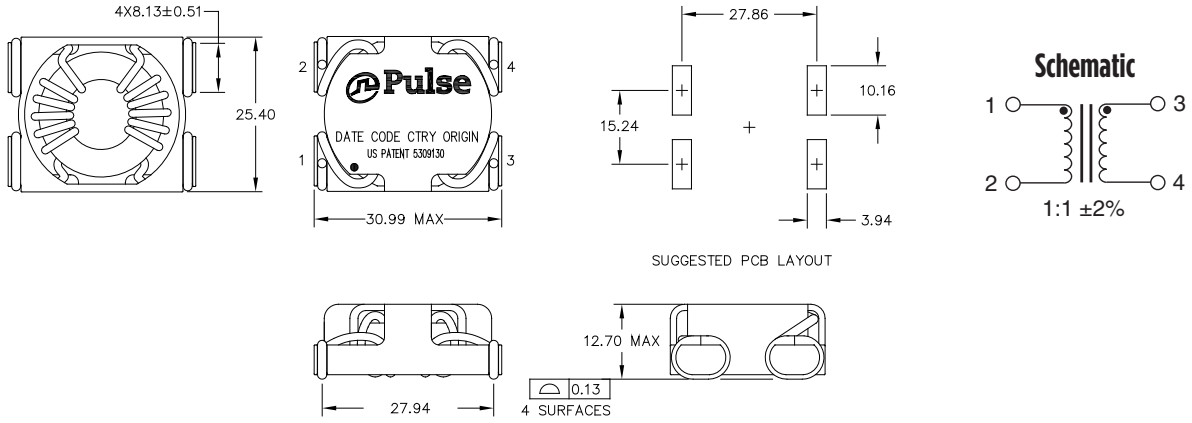


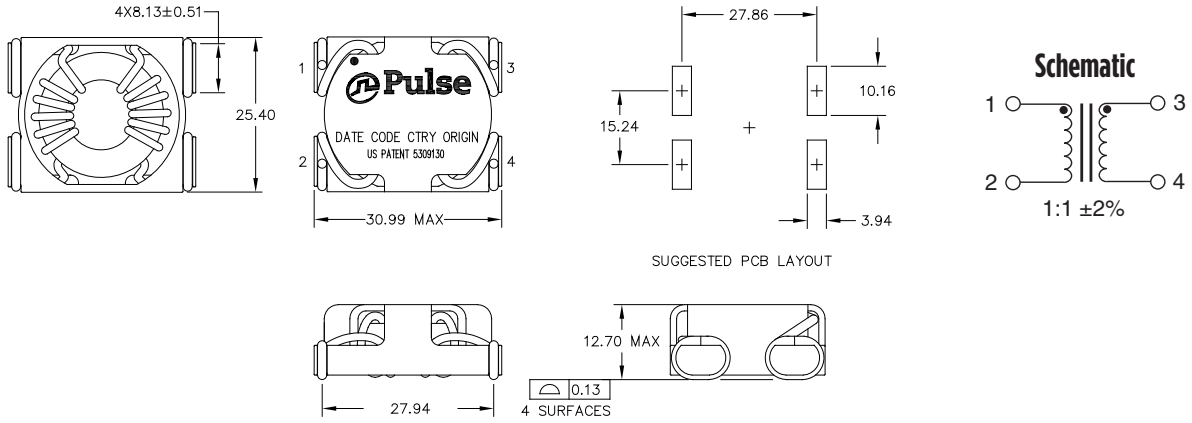


Mechanical

HCCI-80 - PA2757NL



HCCI-80 - PA2670NL and PG1265NL



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Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

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http://moschip.ru/get-element

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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