

SMT Common Mode Chokes

0.5A to 20Adc

Part Number	Irated ¹ (Arms or Adc)	Inductance ⁴ per Winding (uH +/-35%)	DCR per Winding (mΩ Max)	Leakage Inductance ⁵ (uH Min))	Typical SRF (MHz)	Typical Impedance at SRF (Ω)	Platform Name	Package Size (mm Max)	Weight (grms)	Quantity In Tube ³	Quantity in T&R ³
PA2756NL	8	484	7.7	1.5	2.5	1700	LCCI-50-2	19.6 x 17.0 x 9.9	4.7	30	200
PA2757NL	9	1030	9.75	3	2.5	1900	HCCI-80-1	31.0 x 25.4 x 12.7	14.6	20	75
P0429NL	9.7	810	14	9.1*	3	6400	HCCI-80-2	31.0 x 25.4 x 12.7	15.2	20	75
PA2754NL	10	215	3.75	0.5	4	600	Makeni	21.1 x 19.1 x 11.2	6.2	25	150
P0469NL	11.6	630	10	7.4*	4	4900	HCCI-80-2	31.0 x 25.4 x 12.7	15.2	20	75
PA2753NL	12.5	95	3	0.15	2	200	LCCI-50-2	19.6 x 17.0 x 9.9	4.2	30	200
P0502NL	14	470	8	5.3*	3	3750	HCCI-80-2	31.0 x 25.4 x 12.7	16.2	20	75
PA2755NL	14	117	1.95	0.3	6	250	Makeni	21.1 x 19.1 x 11.2	4.8	25	150
PA2670NL	16	500	4.25	1.5	4	1000	HCCI-80-2	31.0 x 25.4 x 12.7	17.8	20	75
PG1265NL	20	380	4.1	1.2	1	900	HCCI-80-2	31.0 x 25.4 x 12.7	14.5	20	75

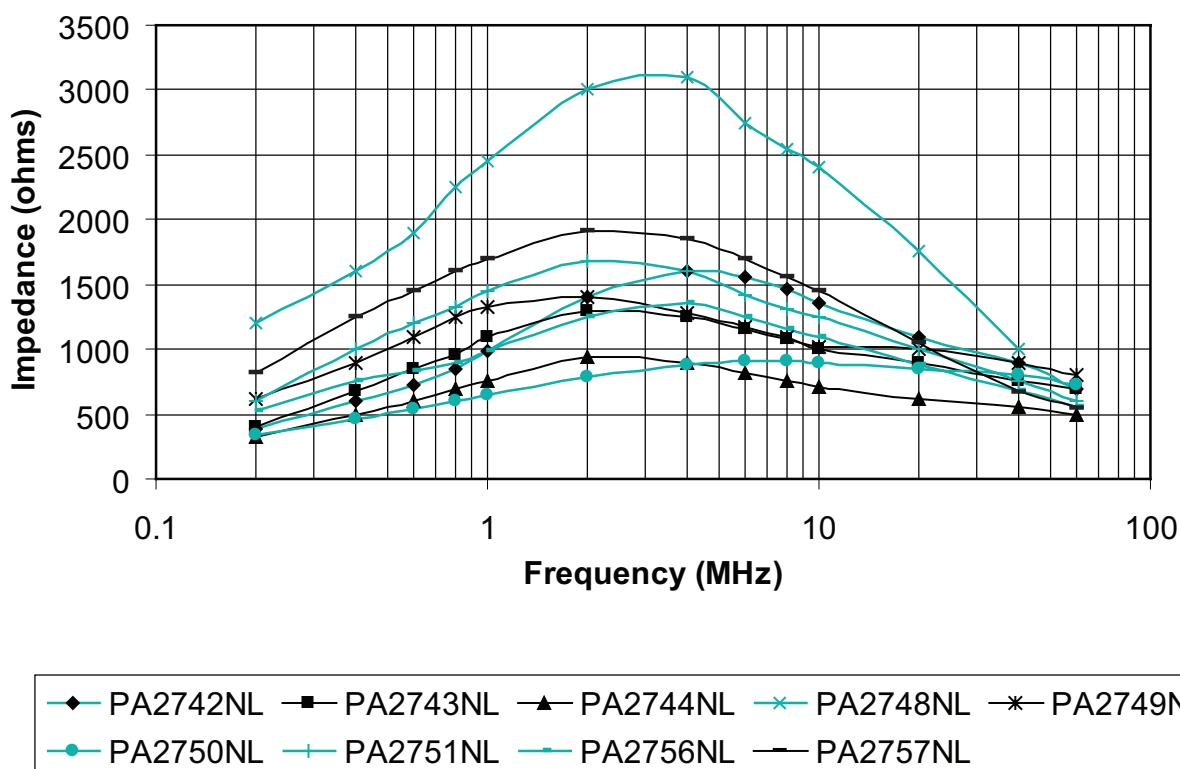
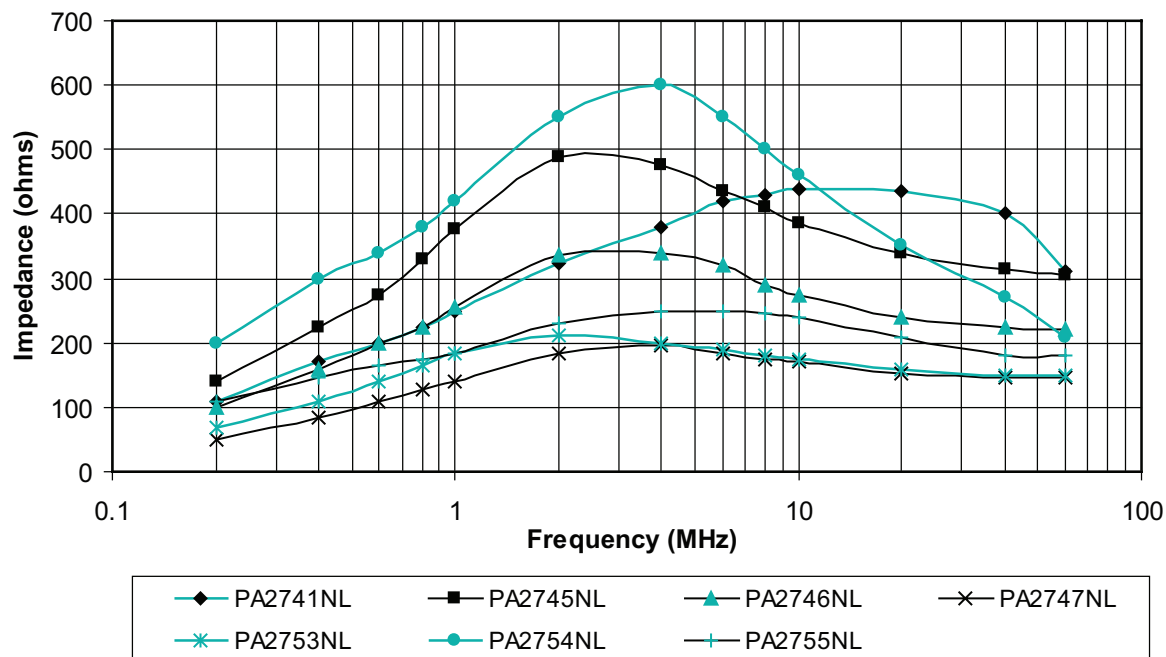
NOTE:

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 PA2741NLT). Pulse complies to industry standard tape and reel specification EIA481.
4. Inductance values shown are all nominal +/- 35% except those identified with an asterisk (*) which indicates that the inductance is a minimum value.
5. Leakage inductance values as shown are the minimum value except those identified with an asterisk (*) which indicates the value shown in a typical value.

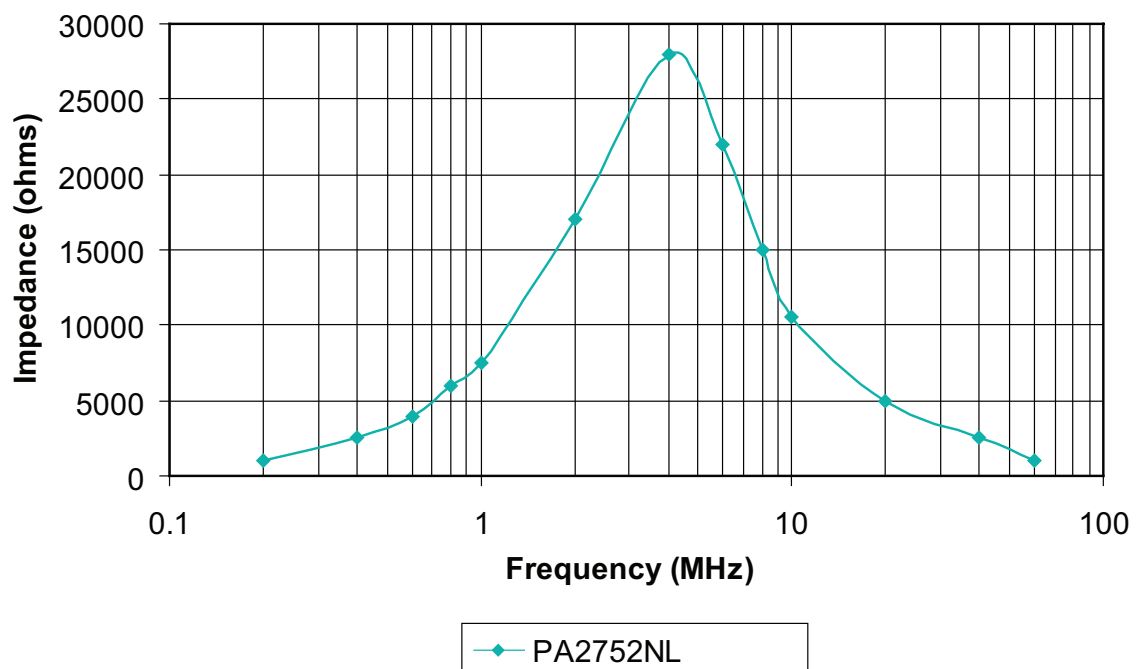
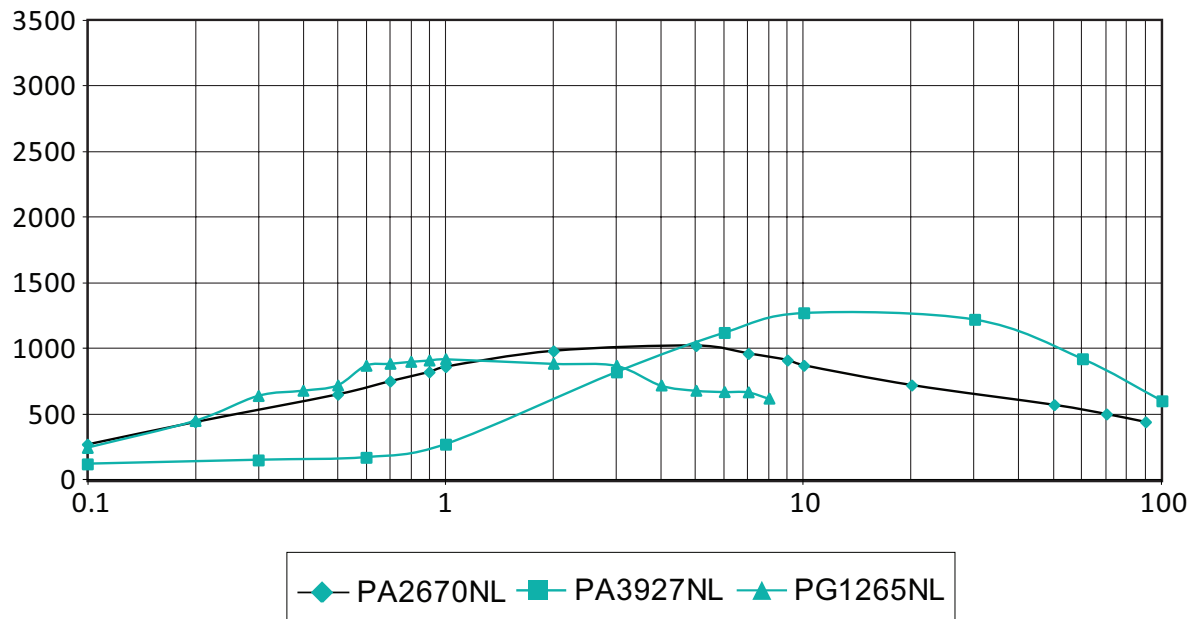
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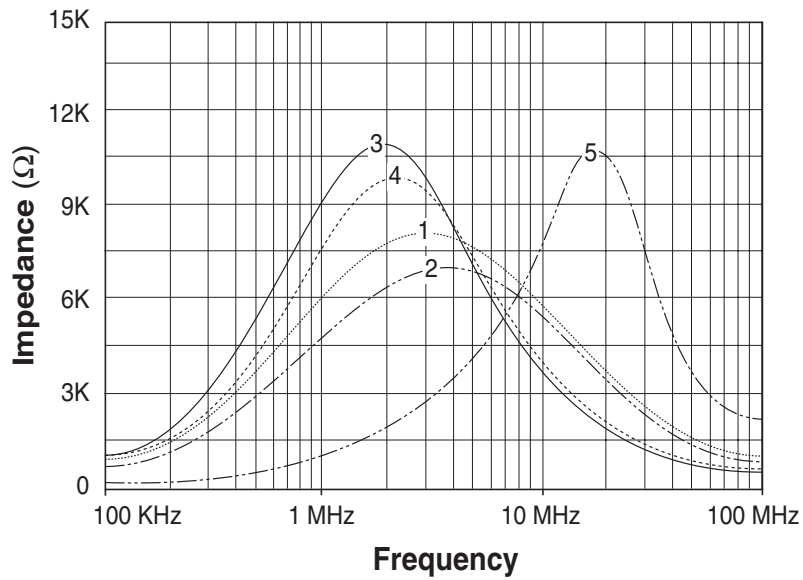
Impedance Plots



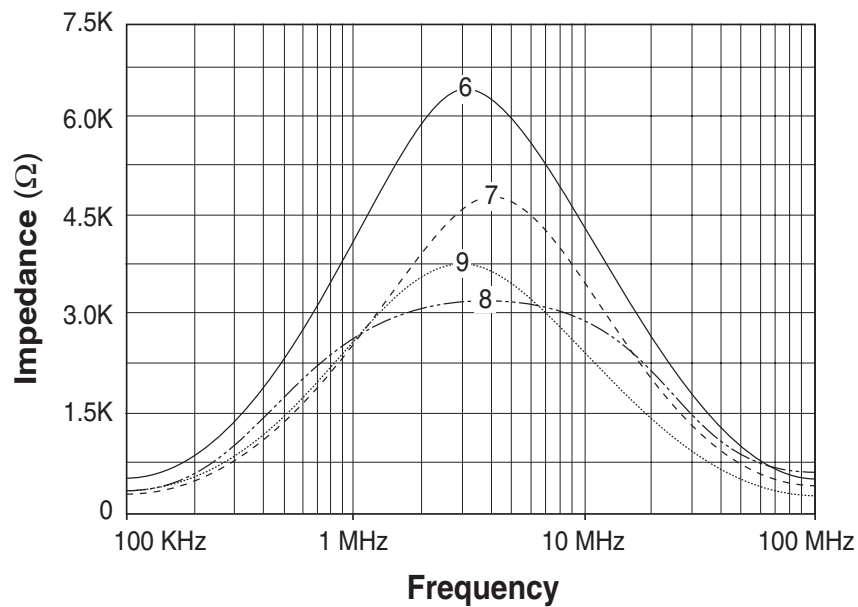
Impedance Plots



Impedance Plots

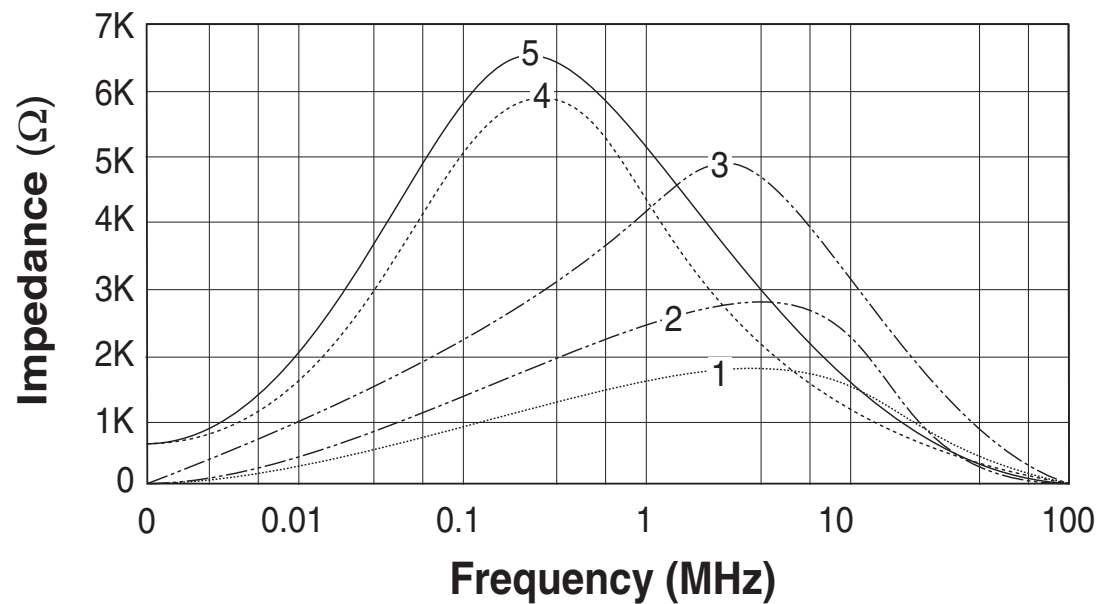


1 - PO354NL	3 - PO351NL	5 - PO421NL
2 - PO473NL	4 - PO420NL	



6 - PO422NL, PO429NL	8 - PO527NL
7 - PO353NL, PO469NL	9 - PO502NL

Impedance Plots



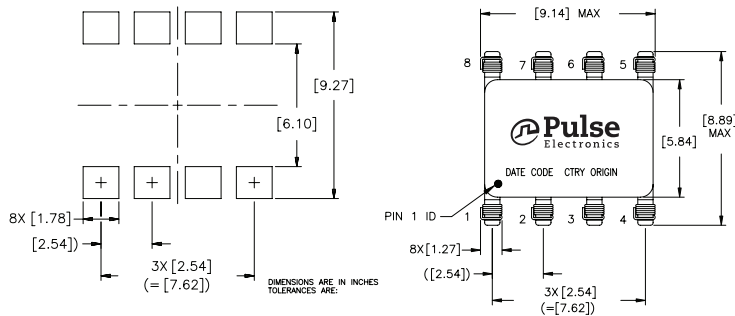
1 - PE-53910NL	3 - PE-53912NL	5 - PE-53914NL
2 - PE-53911NL	4 - PE-53913NL	

SMT Common Mode Chokes

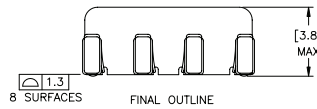
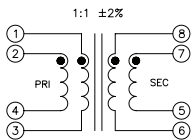
0.5A to 20Adc

Mechanicals

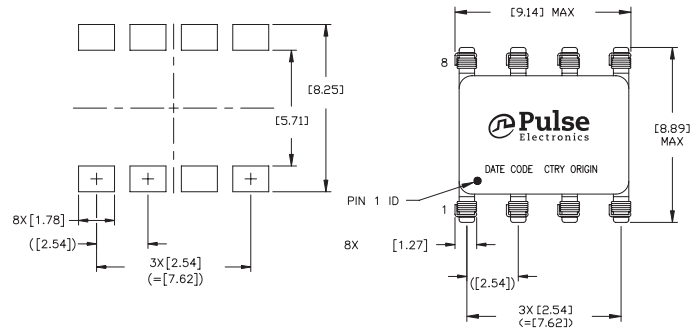
Low Shasta - PA2741NL



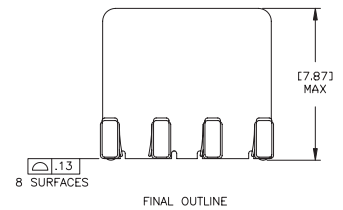
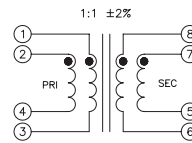
Schematic



High Shasta - PA2742NL

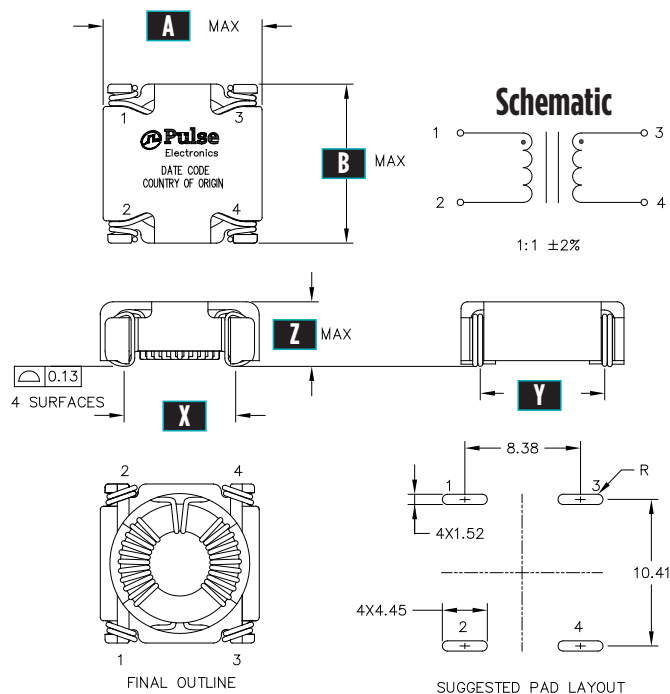


Schematic

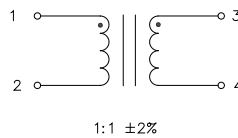


Please note that for PA2741NL and PA2742NL the part should be connected as follows:
Customer to connect pins (1,2) and (4,3) together on board to form a single winding (1,2-4,3).
Customer to connect pins (8,7) and (5,6) together on board to form a single winding (8,7-5,6)
All ratings (leakage and DCR)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

PoleCat - PA2743NL, PA2744NL, PA2745NL, PA2746NL, PA2747NL, PA2748NL, PA3927NL, P0473NL, and P0354NL



Schematic



Polecat Dimensions

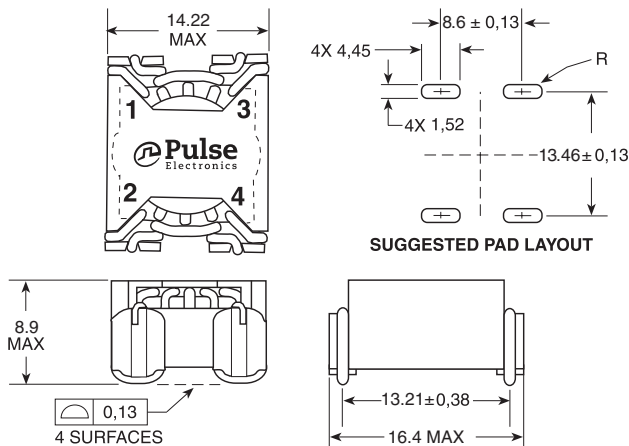
Part Number	A	B	X	Y	Z
PA2743NL	13.0	13.0	8.4	10.4	5.6
PA2744NL	13.0	13.0	8.4	10.4	5.6
PA2745NL	13.2	13.2	8.6	10.7	5.6
PA2746NL	13.2	13.2	8.6	10.7	5.6
PA2747NL	13.5	13.5	8.6	10.7	5.6
PA2748NL	12.7	13.2	8.4	10.4	5.6
PA3927NL	13.0	13.0	8.4	10.4	8.6
PA473NL	12.7	12.7	8.4	10.4	5.5
PA0354NL	12.7	12.7	8.4	10.4	5.5

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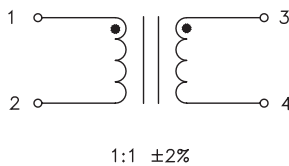
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Mechanicals

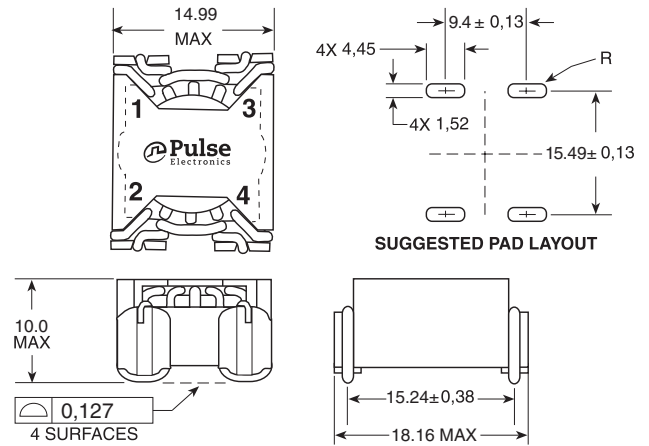
LCCI-37-1 - PA2749NL



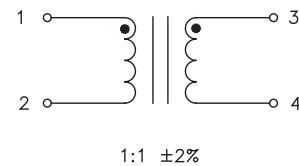
Schematic



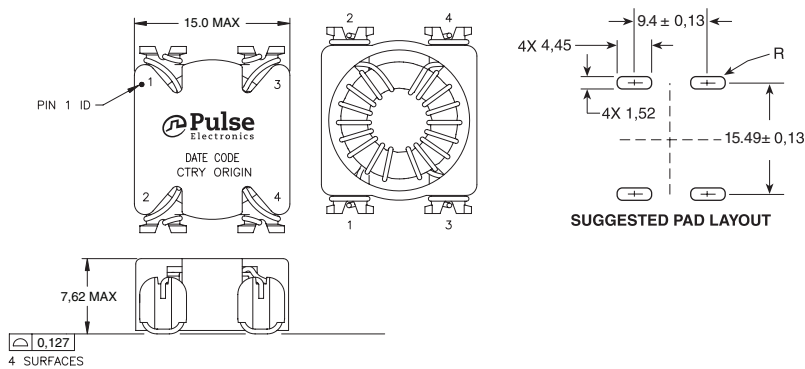
LCCI-44 - PA2750NL



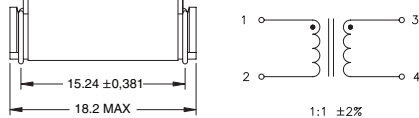
Schematic



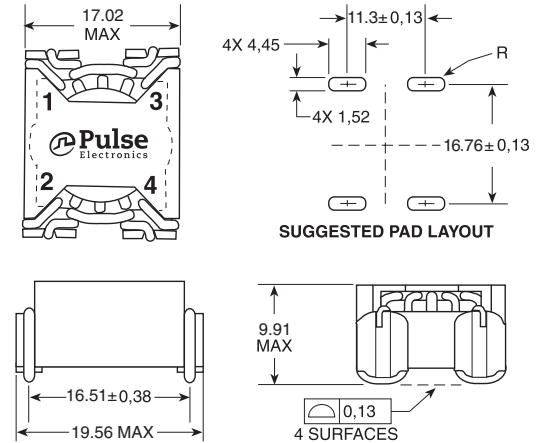
LCCI-44LP - PA2751NL



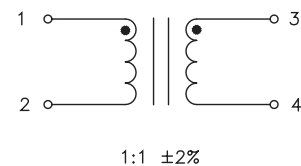
Schematic



LCCI-50-1 - PA2752NL, P0353NL, P0422NL, P0421NL, P0420NL, P0351NL



Schematic



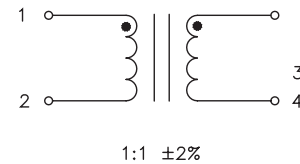
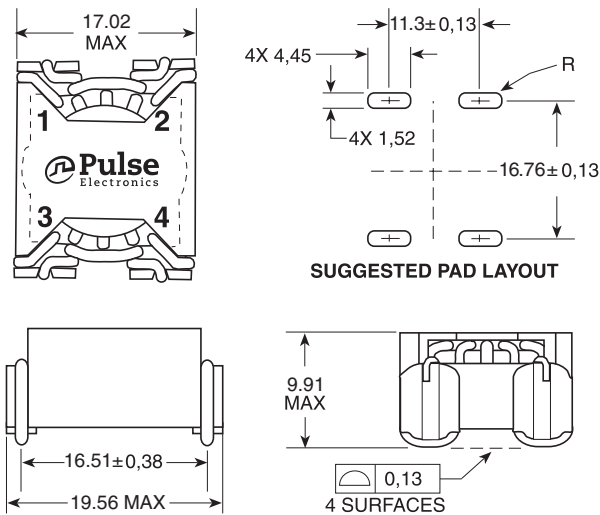
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Mechanicals

Schematics

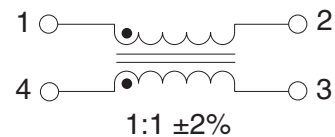
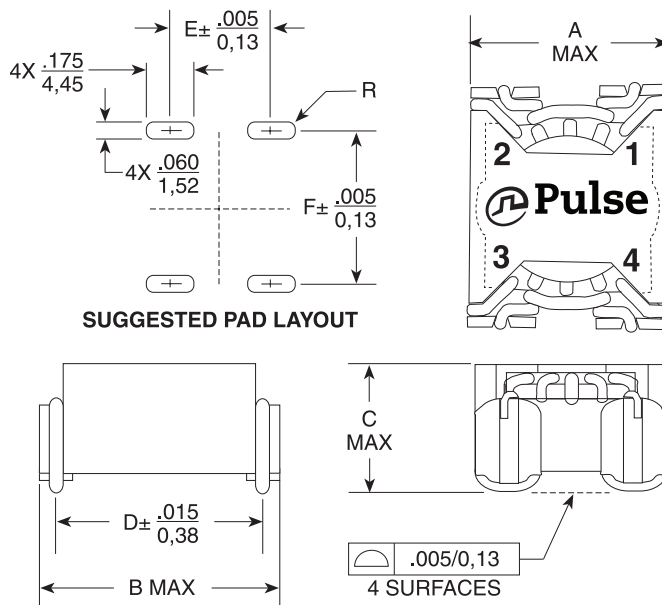
LCCI-50-2 - PA2753NL and PA2756NL



Mechanicals

Schematics

LCCI-37-2 & LCCI-50-3 - PE-5391xNL



Size	A	B	C	D	E	F
LCCI-37-2	.560/14,22	.645/16,38	.350/8,89	.520/13,21	.340/8,64	.530/13,46
LCCI-50-3	.670/17,02	.770/19,56	.390/9,90	.650/16,51	.445/11,30	.660/16,76

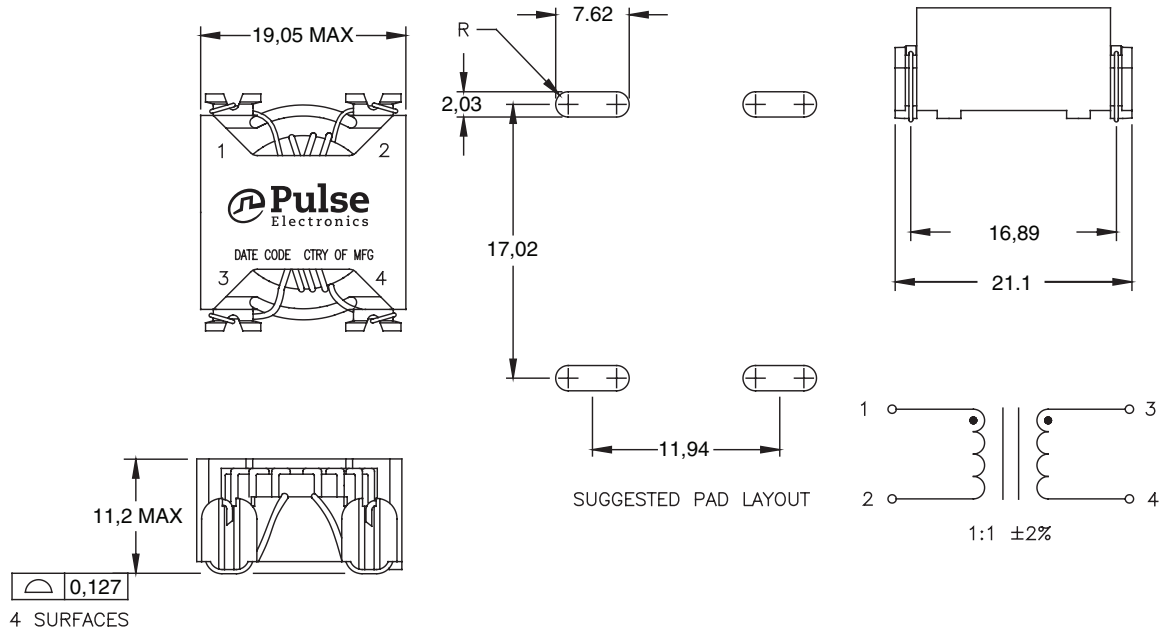
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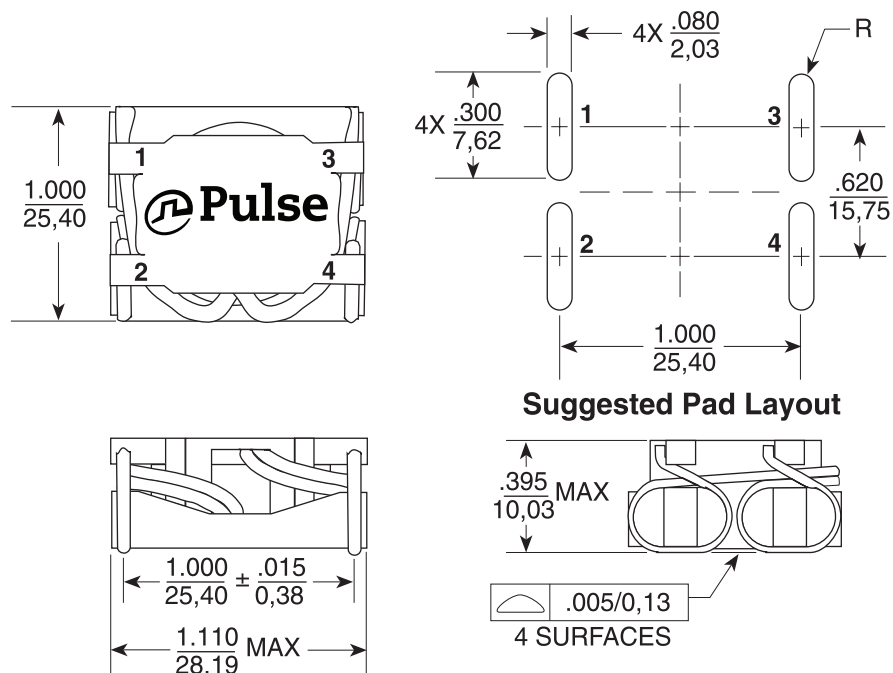
Mechanicals

Schematics

Makeni - PA2754NL, PA2755NL



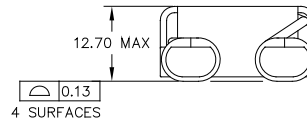
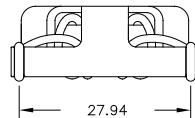
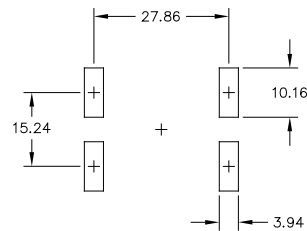
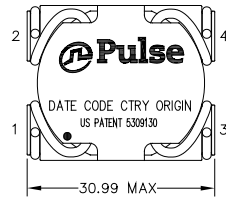
HCCI-68 - P0527NL



1.0A to 20.0A

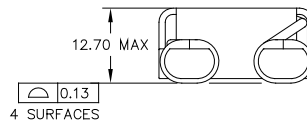
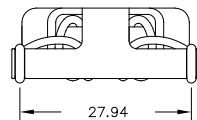
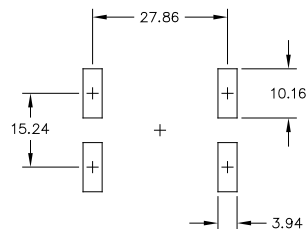
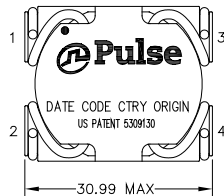
Schematic

Technical drawing of the top view of a circular component. The drawing shows a central circular area with eight radial slots. The outer diameter is 25.40. The width of the outer ring is 4x8.13±0.51.



Schematic

Technical drawing of the top view of a square component. The component features a central circular area with internal radial structures. Four rectangular protrusions are located on the sides. Dimension lines indicate a total width of 25.40 and a distance from the center to the side protrusions of $4 \times 8.13 \pm 0.51$.



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