

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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EE16H, EE16V, EF20H and EF25V Platforms









- AC/DC offline Switch Mode Transformer
- @ Hipot up to 3000Vrms
- Flyback Topology
- Operational Insulation
- Matched to Tiny Switch and Top Switch chipsets
- Custom Design Available: <60W with up to Reinforced Insulation</p>

	Electr	ical Specifications $@$ 25C- Operatin	g Temperature -4	10C to +125C		
	Pri. Inductance	(3-2)	2800 µ H±15%			
PH0256NL	Lk. Inductance w/	(4,5,8,10)	65 µ H max shorted		9Vdc, 0.02A 910	
	DCR	(3-2)	3.3	Ω Max	3 5	
		(10-8)	0.02		NC NC SVdc, 1A	
		(4-5)	0.13		3 ====	
	Hi-Pot	Pri-Sec	500 Vrr	ms	80-375Vdc ₹ ₹	
	K1 Factor			10100	132KHz 8	
	PI IC's	TNY264/2	274		FLYBACK TRANSFORMER	
PH0259NL	Pri. Inductance	(4-1)	1800 µ H±	- 15%	11	
	Lk. Inductance w/	(5,6,7,8)	60 µ H max s	shorted	4 0 8 -	
	DCR	(4,1)	2.556			
		(5-6)	0.0168	ΩMax	1 ° 24Vdc, NC ° 5 0.02A	
		(8-6)	0.174		₹ \ 5Vdc, 0.05A	
	Hi-Pot	Pri-Sec	500 Vrms		6	
	K1 Factor					
	PI IC's	TNY266/2	274	FLYBACK TRANSFORMER		
PH0262NL	Pri. Inductance	(3-1)	790 µ H±10%		[]	
	Lk. Inductance w/	(3-1) (4,5,9,10)	30 µ H max shorted		1 0 10 95-265Vdc 132KHZ 12Vdc, 1.25A	
		(3-1)	1.085		3 0 9	
	DCR	(4-5)	0.015	Ω Max	1 0	
		(10-9)	0.026		NC 0	
	Hi-Pot	Pri-Sec			SCHEMATIC	
	K1 Factor					
	PI IC's		TNY279	FLYBACK TRANSFORMER		

EE16H, EE16V, EF20H and EF25V Platforms



	Pri. Inductance	(3-1)	876 µH±10%				
	Lk. Inductance w/	(3-1) (4,5,6,7,9,10)	28 µ H max shorted		1 0	$\exists \ $	
		(3-1)	0.5		85V-265V 132KHz	3 _	 o 9
PH0270NL	DCR	(4-5)	0.026	Ω Max	3 0	- ∮ }	—— o 10 · 12Vdc, 2.5A
		(9-10)	0.025		4 0	3 }	• 7
					12Vdc, 0.02A	311	 • 6
	Hi-Pot	Pri-Sec	1500 Vrms		5 •	♪ ∥	
	K1 Factor		2900				
	PI IC's		TOP244/245/246/254/264			FLYBACK TRANSFORMER	

Notes:

- 1. The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.
- 2. The above transformers and inductors have been tested and approved by Pulse's power IC partners and are sited in the appropriate datasheet or evaluation board documentation at these companies. To determine which IC and IC partners are matched with the above Pulse part numbers please consult the IC Cross Reference on the Pulse website.
- 3. For flyback topology applications, it is necessary to ensure that the transformer will not saturate in the application. The peak flux density (Bpk) should remain below 2700Gauss. To calculate the peak density, use the following formula: Bpk (Gauss) = K1 Factor * lpk (A)

4. In high volt-sec applications, it is important to calculate the core loss of the transformer. Approximate transformer core loss can be calculated as:

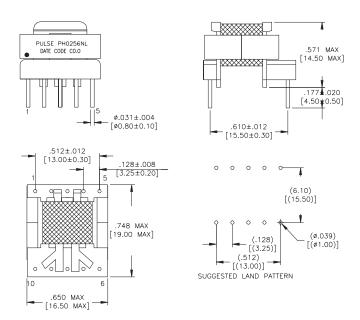
CoreLoss (W) = 3.6E-14 * (Freq_kHz) * (Δ B_Gauss) where Δ B can be calculated as: For Flyback Topology: Δ B = K1 Factor * Δ (A)

For Forward Topology: $\Delta B = K1_Factor * Volt-\mu sec$

5. The "NL" suffix indicates an RoHS-compliant part number. Non-NL suffixed parts are not necessarily RoHS compliant, but are electrically and mechanically equivalent to NL versions. If a part number does not have the "NL" suffix, but an RoHS compliant version is required, please contact Pulse for availability.

Mechanical

PH0256NL

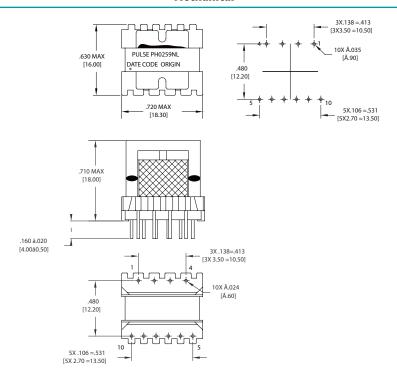


EE16H, EE16V, EF20H and EF25V Platforms



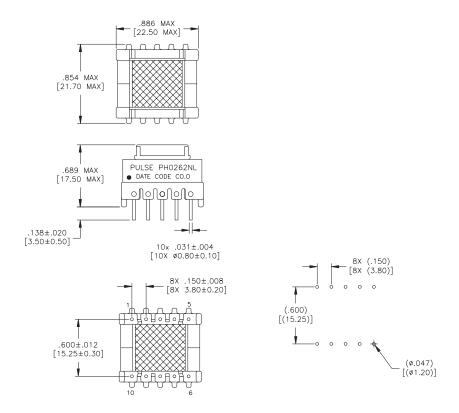
Mechanical

PH0259NL



Mechanical

PH0262NL

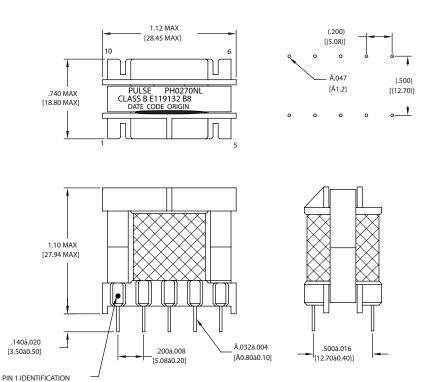


EE16H, EE16V, EF20H and EF25V Platforms



Mechanical

PH0270NL



For More Informat	ion				
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