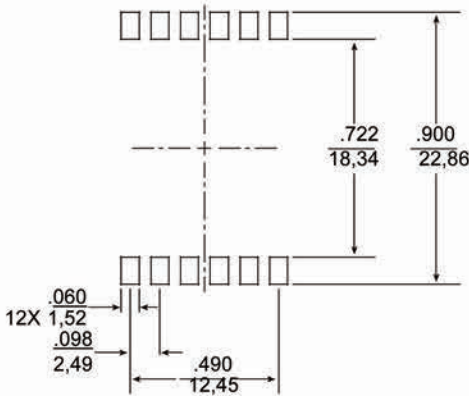
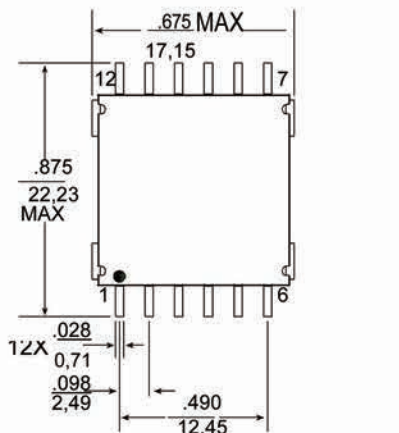


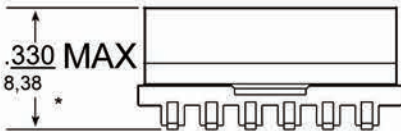
High Frequency Wire Wound Transformers

YCEFD15 Platforms - THT Vertical

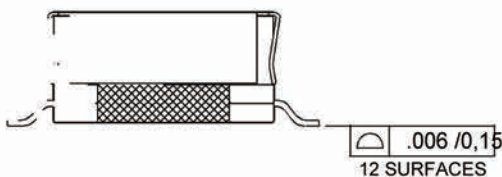
- Power Range: Up to 40W
- Height: 8.4mm Max
- Footprint: 22.2mm x 17.2mm Max
- Topology: Forward and Flyback



SUGGESTED PAD LAYOUT



* Please note height PN PA1039NL is 8.9mm (0.35") Max



Electrical Specifications @ 25°C — Operating Temperature -40°C to 130°C ⁵			
YCEFD15-1	Pri. Inductance	(1,2-3,4)	9.85µH ±10%
	Lk. Inductance	(1,2-3,4) with (5,6,7,8,9,10,11,12) shorted	0.15µH MAX
	DCR	(1-3)	47mΩ MAX
		(2-4)	47mΩ MAX
		(5-6)	87mΩ MAX
	(12,11,10,7,8,9)	8mΩ MAX	
Hi-Pot	Pri-Sec	1500Vrms	
K1 Factor		820.8	
YCEFD15-2	Pri. Inductance	(3-5)	170.3µH ±12%
	Lk. Inductance	(3-5) with (7,8,9,10,11,12) shorted	2.4µH MAX
	DCR	(3-5)	800mΩ MAX
		(2-1)	2000mΩ MAX
		(12,11-10,9)	20mΩ MAX
	(8-7)	720mΩ MAX	
Hi-Pot	Pri-Sec	1500Vrms	
K1 Factor		2183.3	
YCEFD15-3	Pri. Inductance	(3-5)	157.5µH ±10%
	Lk. Inductance	(3-5) with (7,8,9,10,11,12) shorted	2µH MAX
	DCR	(3-5)	500mΩ MAX
		(2-1)	1300mΩ MAX
		(12,11-10,9)	25mΩ MAX
	(8-7)	760mΩ MAX	
Hi-Pot	Pri-Sec	1500Vrms	
K1 Factor		2100.0	
YCEFD15-4	Pri. Inductance	(3-4)	113µH ±30%
	Lk. Inductance	(3-4) with (12,11,10,9,8,7) shorted	1µH MAX
	DCR	(1-2)	70mΩ MAX
		(3-4)	70mΩ MAX
		(5-6)	70mΩ MAX
	(12,11,10,9,8,7)	6mΩ MAX	
Hi-Pot	Pri-Sec	500Vrms	
K1 Factor		55.6	
YCEFD15-5	Pri. Inductance	(2-5)	38.2µH ±30%
	Lk. Inductance	(2-5) with (11,9,7) shorted	0.5µH MAX
	DCR	(2-5)	27mΩ MAX
		(11-7)	850mΩ MAX
			1500Vrms
Hi-Pot	Pri-Sec	1500Vrms	
K1 Factor		95.2	
YCEFD15-6	Pri. Inductance	(3-4)	62µH ±12%
	Lk. Inductance	(3-4) with (10,9,8,7) shorted	1µH MAX
	DCR	(3-4)	250mΩ MAX
		(10-9)	30mΩ MAX
		(7-8)	20mΩ MAX
	(2-1)	400mΩ MAX	
	(12,11)	2400mΩ MAX	
Hi-Pot	Pri-Sec	1500Vrms	
K1 Factor		1878.8	
YCEFD15-7	Pri. Inductance	(3-5)	100.7µH ±12%
	Lk. Inductance	(3-5) with (7,8,9,10,11,12) shorted	3µH MAX
	DCR	(3-5)	485mΩ MAX
		(2-1)	1850mΩ MAX
		(12,11-10,9)	16mΩ MAX
Hi-Pot	Pri-Sec	2150Vdc	
K1 Factor		1678.3	
YCEFD15-8	Pri. Inductance	(3-5)	100.7µH ±5%
	Lk. Inductance	(3-5) with (7,8,9,10,11,12) shorted	3µH MAX
	DCR	(3-5)	485mΩ MAX
		(2-1)	1150mΩ MAX
		(12,11-10,9)	25mΩ MAX
Hi-Pot	Pri-Sec	1500Vrms	
K1 Factor		1678.3	
YCEFD15-9	Pri. Inductance	(3-5)	170.1µH ±12%
	Lk. Inductance	(3-5) with (12,11,10,9,8,7) shorted	3.5µH MAX
	DCR	(3-5)	643mΩ MAX
		(12,11-10,9)	6mΩ MAX
		(8-7)	60mΩ MAX
	(2-1)	123mΩ MAX	
Hi-Pot	Pri-Sec	1500Vrms	
K1 Factor		2520.0	
YCEFD15-10	Pri. Inductance	(1-3)	144µH ±10%
	Lk. Inductance	(1-3) with (12,11,10,9,8,7) shorted	1µH MAX
	DCR	(1-3)	150mΩ MAX
		(12,11-10,9)	18mΩ MAX
		(8-7)	60mΩ MAX
Hi-Pot	Pri-Sec	1800Vrms	
K1 Factor		27.8	
YCEFD15-11	Pri. Inductance	(2-5)	37.1µH ±10%
	Lk. Inductance	(2-5) with (8,9,10,11) shorted	1µH MAX
	DCR	(2-5)	78mΩ MAX
		(11-10)	34mΩ MAX
		(8-7)	38mΩ MAX
Hi-Pot	Pri-Sec	600Vrms	
K1 Factor		1177.8	

