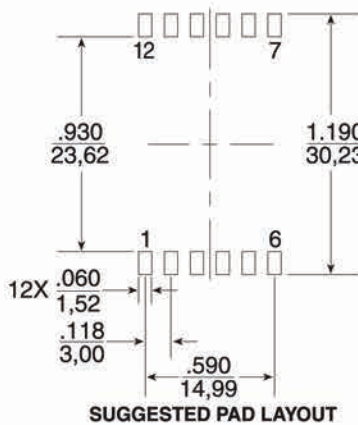
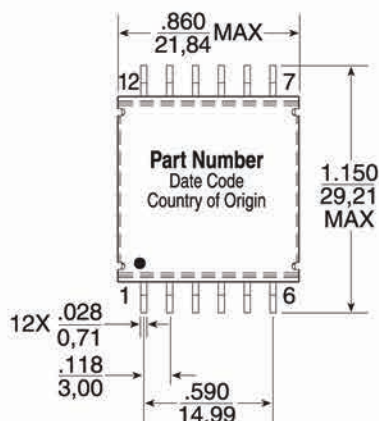


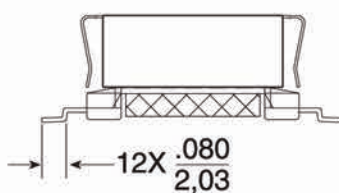
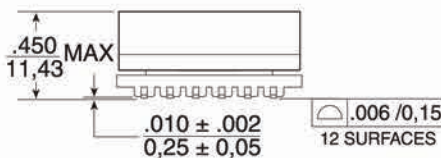
High Frequency Wire Wound Transformers

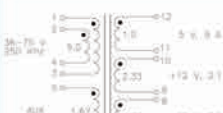
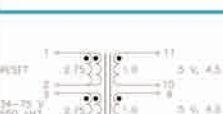
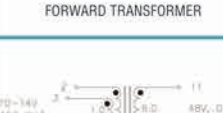
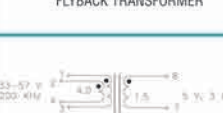
YCEFD20Platforms - THT Vertical

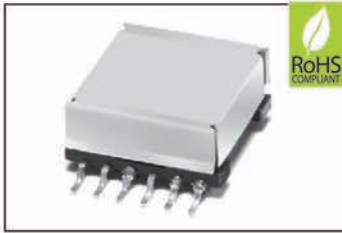
- Power Range: up to 95W
- Height: 11.4mm Max
- Footprint: 29.2mm x 21.8mm Max
- Toplogy: Forward and Flyback



SUGGESTED PAD LAYOUT



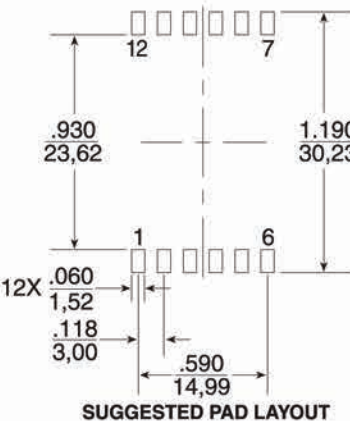
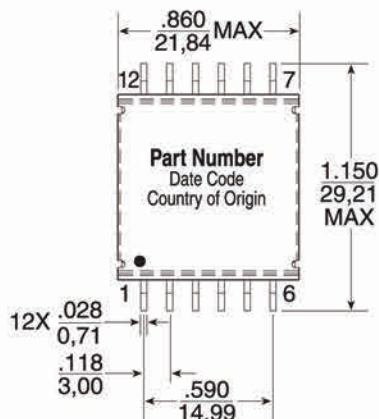
Electrical Specifications @ 25°C - Operating Temperature -40°C to +125°C				
YCEFD20-1	Pri. Inductance	(1, 2-3, 4)	307µH ±25%	 FORWARD TRANSFORMER
	Lk. Inductance	(1, 2-3, 4) with (5, 6, 9, 10) shorted	0.35µH MAX	
	DCR	(1, 2-3, 4)	65mΩ MAX	
		(7, 8, 9-10, 11, 12)	27mΩ MAX	
		(5-6)	240mΩ MAX	
	Hi-Pot	Pri-Sec	1500Vrms	
KI Factor	20.2			
YCEFD20-2	Pri. Inductance	(1, 2-3, 4)	110µH ±10%	 FLYBACK TRANSFORMER
	Lk. Inductance	(1, 2-3, 4) with (12, 11, 10, 9, 8, 7) shorted	2µH MAX	
	DCR	(4-5)	85mΩ MAX	
		(12, 11, 10-9, 8, 7)	12mΩ MAX	
		(1-5)	300mΩ MAX	
	Hi-Pot	Pri-Sec	1500Vrms	
KI Factor	1364.8			
YCEFD20-3	Pri. Inductance	(1, 2-5, 4)	89.2µH ±18%	 FORWARD TRANSFORMER
	Lk. Inductance	(1, 2-3, 4) with (12, 11, 10, 9, 8, 7) shorted	1.5µH MAX	
	DCR	(1, 2-3, 4)	50mΩ MAX	
		(12-11)	3.8mΩ MAX	
		(10-9)-(8-7)	35mΩ MAX	
		(5-6)	110mΩ MAX	
Hi-Pot	Pri-Sec	1500Vdc		
KI Factor	21.5			
YCEFD20-4	Pri. Inductance	(3-4)	137µH ±32%	 FORWARD TRANSFORMER
	Lk. Inductance	(3-4) with (11, 10, 9, 8) shorted	1.0µH MAX	
	DCR	(3-4)	35mΩ MAX	
		(1-2)	199mΩ MAX	
		(5-6)	100mΩ MAX	
		(11-10)-(9-8)	17mΩ MAX	
Hi-Pot	Pri-Sec	500Vrms		
KI Factor	29.3			
YCEFD20-5	Pri. Inductance	(2, 3-4, 5)	10µH ±10%	 FLYBACK TRANSFORMER
	Lk. Inductance	(2, 3-4, 5) with (11, 8) shorted	0.3µH MAX	
	DCR	(2, 3-4, 5)	15.75mΩ MAX	
		(11-8)	560mΩ MAX	
	Hi-Pot	Pri-Sec	1500Vrms	
KI Factor	322.6			
YCEFD20-6	Pri. Inductance	(1, 2-3, 4)	38.3µH ±7%	 FLYBACK TRANSFORMER
	Lk. Inductance	(1, 2-3, 4) with (12, 11, 10, 9, 8, 7) shorted	1.0µH MAX	
	DCR	(1-3)	72mΩ MAX	
		(2-4)	85mΩ MAX	
		(12, 11, 10-9, 8, 7)	2.5mΩ MAX	
		(5-6)	230mΩ MAX	
Hi-Pot	Pri-Sec	1800Vrms		
KI Factor	772.2			
YCEFD20-7	Pri. Inductance	(1, 2-3, 4)	11.5µH ±10%	 FLYBACK TRANSFORMER
	Lk. Inductance	(1, 2-3, 4) with (12, 11, 10, 9, 8, 7) shorted	0.5µH MAX	
	DCR	(1, 2-3, 4)	28mΩ MAX	
		(8-7)	12mΩ MAX	
		(12-11)	5mΩ MAX	
		(10-9)	62mΩ MAX	
(5-6)		190mΩ MAX		
Hi-Pot	Pri-Sec	1500Vrms		
KI Factor	463.7			



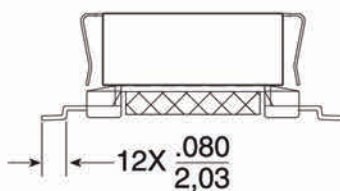
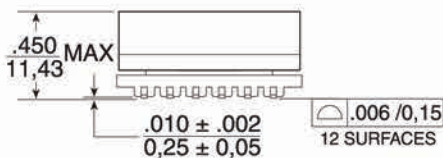
High Frequency Wire Wound Transformers

YCEFD20 Platforms - THT Vertical

- Power Range: up to 95W
- Height: 11.4mm Max
- Footprint: 29.2mm x 21.8mm Max
- Toplogy: Forward and Flyback



SUGGESTED PAD LAYOUT



Electrical Specifications @ 25°C - Operating Temperature -40°C to +125°C			
YCEFD20-8	Pri. Inductance	(3, 4-5, 6)	75µH ±30%
	Lk. Inductance	(3, 4-5, 6) with (12, 11, 10, 9, 8, 7) shorted	1.0µH MAX
	DCR	(3, 4-5, 6)	10.2mΩ MAX
	DCR	(12, 11, 10-9, 8, 7)	5mΩ MAX
	Hi-Pot	(1-2)	1500Vdc
YCEFD20-9	Pri. Inductance	(1, 2-3, 4)	28.5µH ±5%
	Lk. Inductance	(1, 2-3, 4) with (12, 11, 10, 9, 8, 7) shorted	1µH MAX
	DCR	(1, 2-3, 4)	39.0mΩ MAX
	DCR	(12, 11, 10-9, 8, 7)	3.5mΩ MAX
	Hi-Pot	(5-6)	230mΩ MAX
YCEFD20-10	Pri. Inductance	(1, 2-3, 4)	20.5µH ±5%
	Lk. Inductance	(1, 2-3, 4) with (12, 11, 10, 9, 8, 7) shorted	1µH MAX
	DCR	(1, 2-3, 4)	39.0mΩ MAX
	DCR	(12, 11, 10-9, 8, 7)	8.5mΩ MAX
	Hi-Pot	(5-6)	230mΩ MAX
YCEFD20-11	Pri. Inductance	(1, 2-3, 4)	4.5µH ±5%
	Lk. Inductance	(1, 2-3, 4) with (12, 11, 10, 9, 8, 7) shorted	0.25µH MAX
	DCR	(1, 2-3, 4)	9.5mΩ MAX
	DCR	(12, 11, 10-9, 8, 7)	3mΩ MAX
	Hi-Pot	(5-6)	130mΩ MAX
YCEFD20-12	Pri. Inductance	(1, 2-3, 4)	4.5µH ±5%
	Lk. Inductance	(1, 2-3, 4) with (12, 11, 10, 9, 8, 7) shorted	0.2µH MAX
	DCR	(1, 2-3, 4)	9.5mΩ MAX
	DCR	(12, 11, 10-9, 8, 7)	5mΩ MAX
	Hi-Pot	(5-6)	130mΩ MAX
YCEFD20-13	Pri. Inductance	(1, 2-3, 4)	4.5µH ±5%
	Lk. Inductance	(1, 2-3, 4) with (12, 11, 10, 9, 8, 7) shorted	0.2µH MAX
	DCR	(1, 2-3, 4)	9.5mΩ MAX
	DCR	(12, 11, 10-9, 8, 7)	23mΩ MAX
	Hi-Pot	(5-6)	130mΩ MAX
YCEFD20-14	Pri. Inductance	(1, 2-3, 4)	7.2µH ±5%
	Lk. Inductance	(1, 2-3, 4) with (12, 11, 10, 9, 8, 7) shorted	0.3µH MAX
	DCR	(1, 2-3, 4)	52mΩ MAX
	DCR	(12, 11, 10-9, 7)	12mΩ MAX
	Hi-Pot	(5-6)	240mΩ MAX
YCEFD20-15	Pri. Inductance	(1, 2-5, 6)	292.0µH ±32%
	Lk. Inductance	(1, 2-5, 6) with (12, 11, 10, 9, 8, 7) shorted	1.3µH MAX
	DCR	(1, 2-5, 6)	78.0mΩ MAX
	DCR	(7, 8-9, 10)	12mΩ MAX
	Hi-Pot	(11-12)	43mΩ MAX
YCEFD20-16	Pri. Inductance	(1, 2-5, 6)	57.6µH ±12%
	Lk. Inductance	(1, 2-5, 6) with (12, 11, 10, 9, 8, 7) shorted	0.5µH MAX
	DCR	(1, 2-5, 6)	65mΩ MAX
	DCR	(3-7)	155mΩ MAX
	Hi-Pot	(6-5)	145mΩ MAX
YCEFD20-17	Pri. Inductance	(1, 2-5, 6)	100µH ±12%
	Lk. Inductance	(1, 2-5, 6) with (12, 11, 10, 9, 8, 7) shorted	0.45µH MAX
	DCR	(1, 2-5, 6)	72mΩ MAX
	DCR	(7, 8, 9-10, 11, 12)	15mΩ MAX
	Hi-Pot	(5-6)	680mΩ MAX
YCEFD20-18	Pri. Inductance	(1, 2-5, 6)	491µH ±35%
	Lk. Inductance	(1, 2-5, 6) with (12, 11, 10, 9, 8, 7) shorted	1µH MAX
	DCR	(1, 2-5, 6)	36.3mΩ MAX
	DCR	(4-6)	45.6mΩ MAX
	Hi-Pot	(8-7)	86.4mΩ MAX
YCEFD20-19	Pri. Inductance	(5, 4-3, 2)	112.0µH MAX
	Lk. Inductance	(5, 4-3, 2) with (all windings) shorted	1µH MAX
	DCR	(5-3)	55mΩ MAX
	DCR	(4-2)	67.7mΩ MAX
	Hi-Pot	(10, 11-8, 9)	5.5mΩ MAX