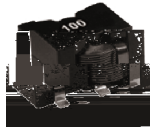


# THC Series

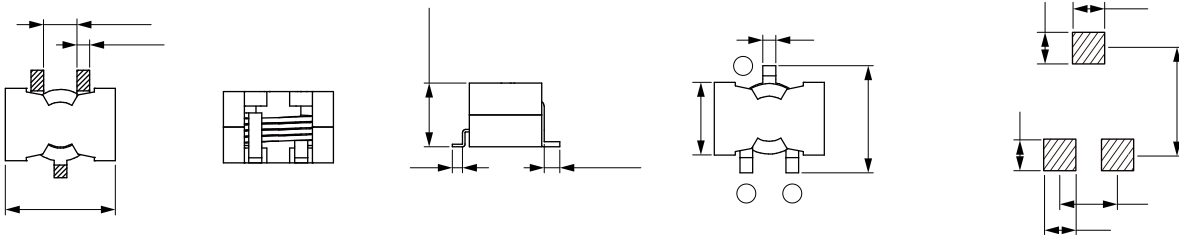


## CHARACTERISTICS

- High saturation current up to 100A
- Low losses with flat wire design
- Low core losses with MnZn core material
- Quantity: 100pcs

## APPLICATION

- High current DC/DC converter
- LC filter



	( $\mu$ H)		(A)	Saturation (A)	(m $\Omega$ )	(m $\Omega$ )
THC2012-R47M	0.47	$\pm 20\%$	45.0	75.0	0.45	0.55
THC2012-R82M	0.82	$\pm 20\%$	45.0	55.0	0.45	0.55
THC2012-1R0M	1.00	$\pm 20\%$	35.0	85.0	1.38	1.60
THC2012-1R5M	1.50	$\pm 20\%$	35.0	60.0	1.38	1.60
THC2012-2R2M	2.20	$\pm 20\%$	28.0	50.0	2.11	2.40
THC2012-3R3M	3.30	$\pm 20\%$	28.0	35.0	2.11	2.40
THC2012-4R7M	4.70	$\pm 20\%$	28.0	24.0	2.11	2.40
THC2012-6R8M	6.80	$\pm 20\%$	28.0	16.0	2.11	2.40
THC2012-8R2M	8.20	$\pm 20\%$	28.0	13.0	2.11	2.40
THC2012-100M	10.0	$\pm 20\%$	16.0	13.0	5.87	7.00
THC2012-150M	15.0	$\pm 20\%$	16.0	10.0	5.87	7.00
THC2012-220M	22.0	$\pm 20\%$	14.0	10.0	8.17	9.80
THC2012-330M	33.0	$\pm 20\%$	14.0	7.00	8.17	9.80

Operating Temperature:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

Temperature Rise Current: the actual value of DC current when the temperature rise is  $T40^{\circ}\text{C}$

Saturation Current that will cause initial inductance to drop approximately 20%

