

# SMD POWER CHOKE

THIN, LIGHT AND HIGH POWER TYPE, ACHIEVED BY USING OUR ORIGINAL WINDING AND CORE SHAPE TECHNOLOGY.

## A. FEATURES:

- HIGH POWER TYPE (SATURATION CURRENT: 25 A IS POSSIBLE)  
LOW LOSS BY USING LOW RESISTIVE TECHNOLOGY
- THIN (5.0mm HEIGHT), LIGHT WEIGHT (4.1g)

## B. RECOMMENDED APPLICATIONS:

- PC (SERVER) DC/DC CONVERTER FOR DRIVING CPU AT HIGH SPEED
- THIN TYPE ON-BOARD POWER SUPPLY MODULE FOR EX-CHANGE (30 TO 80W) SECOND SITE SMOOTHING CHOKE COIL

## C. PERFORMANCE CHARACTERISTICS:

Part Number	Initial Inductance AT 25°C	Saturation Current AT 25°C	Heat Reference Current $\Delta T=40^\circ\text{C}$	DC Resistance AT 20°C
	Lo ( $\mu\text{H}$ )	I SAT (A) MIN.	Io (A)	DCR (m $\Omega$ ) MAX
<b>SPC1305T-1R2</b> □S	1.2 (TOL. = $\pm 30\%$ )	24.2	24	2.0

### NOTES:

1. MEASURED FREQUENCY OF INDUCTANCE IS 100KHz, 1V
2. SATURATION CURRENT (I SAT) IS THE CURRENT VALUE AT WHICH INDUCTANCE (Lo) DECREASES TO 70% OF INITIAL VALUE.
3. HEAT REFERENCE CURRENT (Io) IS THE ACTUAL VALUE OF THE CURRENT AT WHICH THE TEMPERATURE RISE OF COIL BECOMES 40°C WHEN DC CURRENT FLOWS. ACTUALLY TO DECIED THE HEAT REFERENCE, TEMPERATURE RISE IN THE SET SHOULD BE CONSIDERED.
4. CONCERNING THE HEAT REFERENCE CURRENT (Io) WHEN (  $\Delta$  ) IS DECREASED FURTHER, PLEASE CONTACT US.

## D. MECHANICAL DIMENSION mm:

