

CTSPT-H Series From 2.8 μ H to 18 μ H



CHARACTERISTICS

Description: Surface mount high current toroidal inductor
Applications: For use in DC/DC converters, notebooks, computers, and mobile appliances. Boost and buck switcher. Designed for SMD pick and place mounting and reflow soldering
Operating Temperature: -40°C to +130°C
Testing: Tested on a HP4284A at 100kHz, 0.1Vrms
Electrical Specification: @ 25°C
Temperature Rise: 55°C typical at I_{dc} and 25°C ambient temperature
Miscellaneous: **RoHS Compliant.** Meets UL94V-0. Operating frequency up to 1MHz
Additional Information: Additional electrical & physical information available upon request
Samples available. See website for ordering information.

SPECIFICATIONS

Part Number	Inductance (no DC) $\pm 20\%$ (μ H)	Current DC (Amp.)	Inductance (w/ DC) Typ. (μ H)	DCR Max. (Ω)	Size Code
CTSPT44HF-282M	2.8	13.9	1.68	0.0036	R
CTSPT44HF-422M	4.2	11.4	2.5	0.0054	R
CTSPT68HF-113M	11	15.4	5.2	0.0062	S
CTSPT68HF-183M	18	10.9	9.4	0.0123	S

PHYSICAL DIMENSIONS (inch)

Size Code	A	B	C	D
Max.				Max.
R	0.665	0.490 \pm 0.005	0.570 \pm 0.005	0.400
S	0.940	0.700 \pm 0.005	0.830 \pm 0.005	0.413

Suggested PCB Layout