

SMD Power Inductors

SDS1306 Series



The SDS1306 Series is a family of magnetically shielded power inductors designed for the higher current requirements of portable computers, Video recorders and other DC-DC conversion applications.

They feature saturation current ratings as high as 9 Amps and rms current ratings up to 3.9 Amps. Low DC resistance (as low as .040 Ohms) keeps power losses to a minimum.

Designed specifically for surface mounting, the SDS1306 has a flat top for reliable pick and place operations. The terminals wrap around the end of the base to ensure a sound solder fillet and simplify inspection.

PART NO.	L \pm 20% * (μ H)	Q Min.	RDC Max. (Ω)	Isat ** (A)	Irms *** (A)	SRF Max ** (A)
SDS1306T-100M-S	10	40	0.040	8.0	3.9	24
SDS1306T-150M-S	15	40	0.048	7.0	3.4	16
SDS1306T-220M-S	22	30	0.059	6.0	3.1	14
SDS1306T-330M-S	33	40	0.075	5.0	2.8	11
SDS1306T-470M-S	47	40	0.097	4.0	2.4	8.0
SDS1306T-680M-S	68	40	0.138	3.0	2.0	7.0
SDS1306T-101M-S	100	40	0.207	2.4	1.7	5.5
SDS1306T-151M-S	150	50	0.293	2.1	1.3	4.8
SDS1306T-221M-S	220	50	0.470	1.9	1.1	4.0
SDS1306T-331M-S	330	50	0.780	1.1	0.86	3.0
SDS1306T-471M-S	470	50	1.08	1.1	0.73	2.4
SDS1306T-681M-S	680	60	1.40	0.96	0.64	2.0
SDS1306T-102M-S	10000	60	2.01	0.80	0.53	1.0

* Inductance Tested at 0.1 Vrms, 100 KHz

** Inductance Drop 10% Typ. at Isat.

*** 40°C Rise Typ. at Irms.

Operating Temperature Range -40°C to +85°C

DIMENSIONS

Dimensions : mm

Parts / Reel : 330mm

Quality : 2500

Tape Width : 12mm

