



**SMD TYPE**

# Power Inductor

## SGC135 TYPE

### FEATURES

- Low profile: 5.5mm (Max)
- Suitable for SMD automachine & reflow soldering
- Suitable for the large current application

### APPLICATIONS

- Notebook computers & desktop computers
- Battery powered equipment
- DC/DC converters

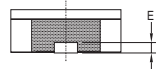
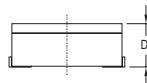
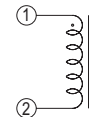
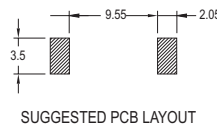
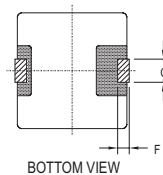
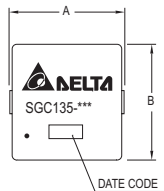


AT 25°C: 100KHz, 0.1V

PART NO.	Lo (uH)	Li (uH)	DCR (mΩ) MAX	Isat (Amperes)
SGC135-1R8	1.8±30%	0.8±30%	2.3	25.2
SGC135-1R9	1.9±30%	1.0±30%	2.5	19.4
SGC135-2R2	2.2±30%	1.2±30%	2.5	15.1
SGC135-2R3	2.3±30%	1.2±30%	2.5	14.3
SGC135-2R5	2.5±30%	1.3±30%	3.72	18.6
SGC135-2R5A	2.5±30%	1.1±30%	3.72	20
SGC135-2R8	2.8±30%	1.6±30%	3.72	14.9
SGC135-3R1	3.1±30%	2.0±30%	3.72	15.1
SGC135-3R1H	3.1±30%	2.0±30%	5.25	15.1
SGC135-3R6	3.6±30%	2.0±30%	3.72	10.7
SGC135-3R7	3.7±30%	2.5±30%	5.25	11.3
SGC135-4R1	4.1±30%	2.9±30%	5.25	12.0
SGC135-4R1H	4.1±30%	2.9±30%	6.68	12.0
SGC135-4R8	4.8±25%	3.2±25%	5.25	8.6
SGC135-5R6	5.6±30%	3.3±25%	12	11
SGC135-6R6	6.6±25%	4.6±25%	6.68	7.3
SGC135-8R0	8.0±25%	5.6±25%	13.6	5.3
SGC135-8R3	8.3±25%	6.4±25%	8.84	6.2
SGC135-10R4	10.4±25%	8.2±25%	14	5.6
SGC135-12R5	12.5±25%	10.2±25%	14	4.7
SGC135-14R4	14.4±25%	10±25%	13	4
SGC135-22	22±25%	18±25%	45	4.5
SGC135-26R2	26.2±25%	22±25%	48	2.9
SGC135-40	40.0±25%	33±25%	65	2.7
SGC135-60	60.0±25%	60±25%	180	2.5

Note 1. Lo is the value of initial inductance; Li is the inductance at Isat current.

### MECHANICAL CONSTRUCTION



UNIT : mm / inch  
 A = 12.50~13.00 / 0.492~0.512  
 B = 12.50±0.40 / 0.492±0.016  
 C = 3.00 / 0.118 (REF)  
 D = 5.5 / 0.217 MAX  
 E = 1.50 / 0.059 (REF)  
 F = 1.30 / 0.051 (REF)

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