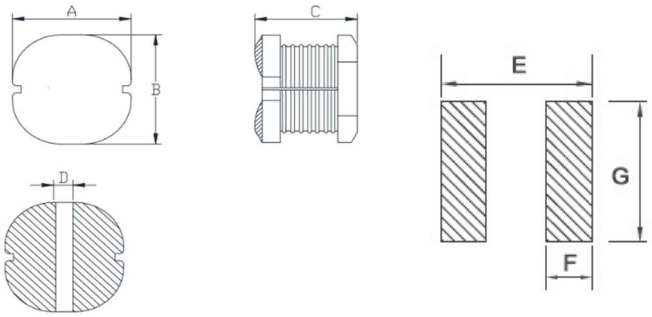
UM Electronics Co., Ltd

SMT Power Inductor M106 Series

Dimensions



A:10.0±0.4 mm
B:9.0±0.4 mm
C:6.4±0.4 mm
D:2.9 ref mm
E: 10.0 ref mm
F: 3.75 ref mm
G: 9.5 ref mm

ELECTRICAL CHARACTERISTICS

Model	Inductance(μH)	Test Condition	RDC(Ω) Max.	Saturation Current(A)
M106-1R8	1.8±20%	100KHZ/0.25V	0.012	7.80
M106-2R5	2.5±20%	100KHZ/0.25V	0.014	7.35
M106-3R3	3.3±20%	100KHZ/0.25V	0.017	6.80
M106-4R2	4.2±20%	100KHZ/0.25V	0.019	6.20
M106-5R1	5.1 ±20%	100KHZ/0.25V	0.022	5.30
M106-6R3	6.3±20%	100KHZ/0.25V	0.023	4.90
M106-7R5	7.5±20%	100KHZ/0.25V	0.025	4.85
M106-8R6	8.6±20%	100KHZ/0.25V	0.030	4.60
M106-100	10±20%	100KHZ/0.25V	0.050	3.10
M106-120	12±20%	100KHZ/0.25V	0.060	2.70
M106-150	15±20%	100KHZ/0.25V	0.070	2.50
M106-180	18±20%	100KHZ/0.25V	0.080	2.37
M106-220	22± 10%	100KHZ/0.25V	0.090	2.15
M106-270	27± 10%	100KHZ/0.25V	0.100	1.94
M106-330	33± 10%	100KHZ/0.25V	0.110	1.65
M106-390	39± 10%	100KHZ/0.25V	0.130	1.51
M106-470	47± 10%	100KHZ/0.25V	0.120	2.60
M106-560	56± 10%	100KHZ/0.25V	0.170	1.29
M106-680	68±10%	100KHZ/0.25V	0.220	1.22
M106-820	82± 10%	100KHZ/0.25V	0.230	1.10
M106-101	100±10%	100KHZ/0.25V	0.320	1.07
M106-121	120± 10%	100KHZ/0.25V	0.360	0.98
M106-151	150± 10%	100KHZ/0.25V	0.420	0.86
M106-181	180 ± 10%	100KHZ/0.25V	0.570	0.79
M106-221	220± 10%	100KHZ/0.25V	0.660	0.73
M106-271	270± 10%	100KHZ/0.25V	0.870	0.63

Add: 10F Building 1, Wan Yang Industrial Park, Gulao, Heshan, Jiangmen City, Guangdong, China Website: https://umgz.com

M106-331	330± 10%	100KHZ/0.25V	1.040	0.57
M106-391	390± 10%	100KHZ/0.25V	1.170	0.53
M106-471	470± 10%	100KHZ/0.25V	1.330	0.46
M106-561	560± 10%	100KHZ/0.25V	1.710	0.36
M106-681	680± 10%	100KHZ/0.25V	2.030	0.31
M106-821	820± 10%	100KHZ/0.25V	2.300	0.26
M106-102	1000±10%	100KHZ/0.25V	2.700	0.24
M106-122	1200±10%	100KHZ/0.25V	3.000	0.24