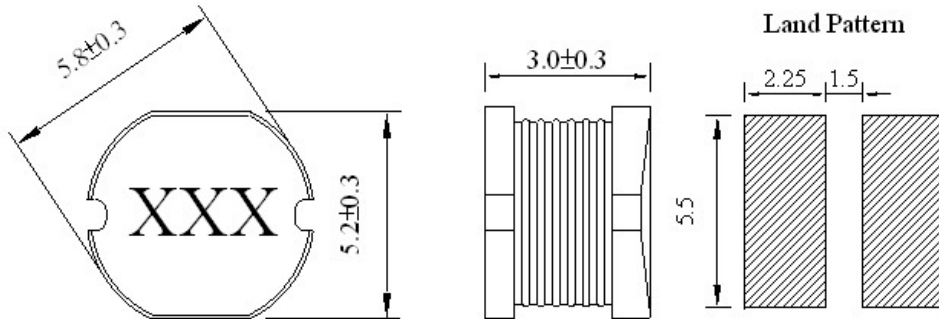


【SD5830D1M-SERIES】

DIMENSIONS & RECOMMENDED PATTERN



Unit: mm

※ FEATURES

- Applications : DC to DC converters for VTR, OA equipment, LCD television set, notebook, portable communication equipment

SELECTION GUIDE FOR STANDARD COILS

SDE Part Number	Inductance	Tolerance	DC Resistance	Inductance Decrease Current
	(μ H)	(%)	(Ω) Max	(A) Max
SD5830D1M - 1R0M	1.0	$\pm 20\%$	0.03	4.50
SD5830D1M - 1R2M	1.2	$\pm 20\%$	0.03	4.20
SD5830D1M - 1R5M	1.5	$\pm 20\%$	0.03	4.10
SD5830D1M - 1R8M	1.8	$\pm 20\%$	0.03	3.70
SD5830D1M - 2R2M	2.2	$\pm 20\%$	0.03	3.50
SD5830D1M - 2R7M	2.7	$\pm 20\%$	0.04	3.20
SD5830D1M - 3R3M	3.3	$\pm 20\%$	0.05	2.80
SD5830D1M - 3R9M	3.9	$\pm 20\%$	0.06	2.60
SD5830D1M - 4R7M	4.7	$\pm 20\%$	0.07	2.50
SD5830D1M - 5R6M	5.6	$\pm 20\%$	0.08	2.40
SD5830D1M - 6R8M	6.8	$\pm 20\%$	0.09	2.20
SD5830D1M - 8R2M	8.2	$\pm 20\%$	0.10	2.00
SD5830D1M - 100M	10.0	$\pm 20\%$	0.12	1.80
SD5830D1M - 120M	12.0	$\pm 20\%$	0.13	1.75
SD5830D1M - 150M	15.0	$\pm 20\%$	0.15	1.70
SD5830D1M - 180M	18.0	$\pm 20\%$	0.18	1.60
SD5830D1M - 220M	22.0	$\pm 20\%$	0.22	1.50
SD5830D1M - 270M	27.0	$\pm 20\%$	0.24	1.40
SD5830D1M - 330M	33.0	$\pm 20\%$	0.30	1.10
SD5830D1M - 390M	39.0	$\pm 20\%$	0.40	1.00
SD5830D1M - 470M	47.0	$\pm 20\%$	0.43	0.90

【SD5830D1M-SERIES】

SELECTION GUIDE FOR STANDARD COILS

SDE Part Number	Inductance	Tolerance	DC Resistance	Inductance Decrease Current
	(μ H)	(%)	(Ω) Max	(A) Max
SD5830D1M - 560M	56.0	$\pm 20\%$	0.50	0.85
SD5830D1M - 680M	68.0	$\pm 20\%$	0.60	0.80
SD5830D1M - 820M	82.0	$\pm 20\%$	0.80	0.65
SD5830D1M - 101M	100.0	$\pm 20\%$	0.90	0.60
SD5830D1M - 121M	120.0	$\pm 20\%$	1.00	0.58
SD5830D1M - 151M	150.0	$\pm 20\%$	1.30	0.43
SD5830D1M - 181M	180.0	$\pm 20\%$	1.50	0.41
SD5830D1M - 221M	220.0	$\pm 20\%$	2.00	0.38
SD5830D1M - 271M	270.0	$\pm 20\%$	2.50	0.35
SD5830D1M - 331M	330.0	$\pm 20\%$	3.20	0.28
SD5830D1M - 391M	390.0	$\pm 20\%$	3.50	0.26
SD5830D1M - 471M	470.0	$\pm 20\%$	4.20	0.20
SD5830D1M - 561M	560.0	$\pm 20\%$	4.50	0.19
SD5830D1M - 681M	680.0	$\pm 20\%$	6.00	0.18
SD5830D1M - 821M	820.0	$\pm 20\%$	6.50	0.15
SD5830D1M - 102M	1000.0	$\pm 20\%$	8.00	0.13

※ Marking : Inductance Code

※ GENERAL SPECIFICATION:

- Inductance drop =10% typ. at IDC.
- Operating Temp. : -40°C ~ +85°C
- Test Freq. : 1.0 μ H~8.2 μ H-7.96MHz ; 10 μ H~82 μ H-2.52MHz ; 100 μ H~1000 μ H-1KHz