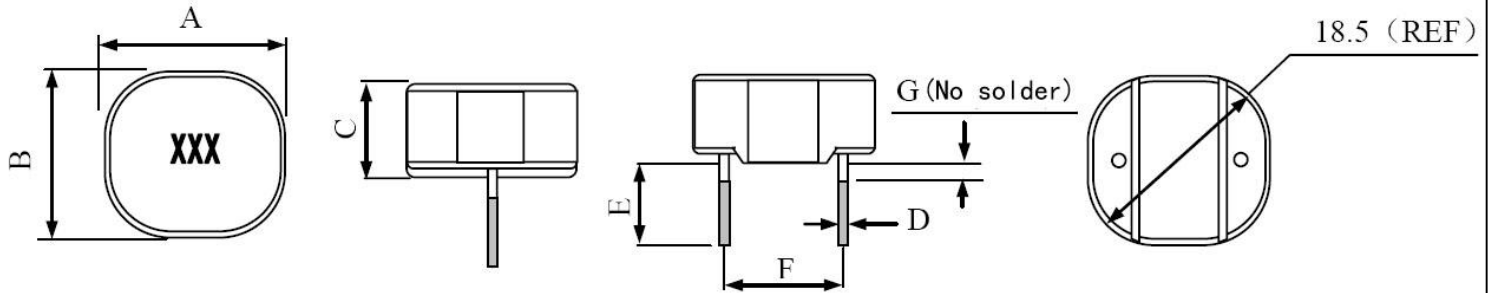


SPECIFICATION FOR APPROVAL

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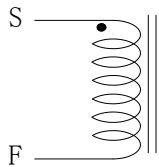
PROD. NAME	DIP INDUCTOR	QH' PART NO.	DMC1812-SERIES
		QH' ITEM NO.	

I . CONFIGURATION & DIMENSIONS: (Unit: mm)



A	B	C	D	E	F	G
18.0 Max	18.0 Max	12 Max	By P/N ± 0.1	3.4 ± 0.5	13.0 ± 0.5	1.0 Max

II . SCHEMATIC DIAGRAM:



III . ELECTRICAL CHARACTERISTICS :

Description	Specification	Measuring conditions	METER
Inductance	SEE PAGE 2	SEE PAGE 2	Chroma 3302
DCR	SEE PAGE 2	@25°C	Chroma 16502
Irms	SEE PAGE 2	SEE PAGE 2	Chroma 3302+1320
Isat	SEE PAGE 2	SEE PAGE 2	Chroma 3302+1320

IV . GENERAL SPECIFICATION:

- 1 . Storage temp.: -40°C ----+85°C
- 2 . Operating temp.: -40°C ----+125°C
- 3 . Resistance to solder heat: 250°C.10 secs

V . MATERIALS:

NO.	PART NAME	MATERIAL	SUPPLIER	UL FILE NO.
1	CORE	IRON	FUZHUYUAN	N/A
2	WIRE	P180 G1	ELEKTRISOLA	E258243
3	INK	BLACK	BON MARK	N/A
4	SOLDER	Sn99.99	BOSHIDA	N/A

SPECIFICATION FOR APPROVAL

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PROD. NAME	DIP INDUCTOR	QH' PART NO.	DMC1812-SERIES
		QH' ITEM NO.	

VI . ELECTRICAL CHARACTERISTICS :

Tolerance : K= +/-10% ; M = +/-20% ; N = +/-30%

All test data is referenced to 25°C ambient.

L: Inductance at 100kHz/1V.

Irms: DC current (A) that will cause an approximate ΔT of 40°C.

Isat : DC current (A) that will cause Lo to drop approximately 20%.

PART NO.	L(uH)	DCR(m Ω) Max	Irms(A)	Isat(A)
DMC1812-3R3M	3.3	2.4	20.0	30.0
DMC1812-4R7M	4.7	3.0	17.0	26.0
DMC1812-5R6M	5.6	4.6	16.0	24.0
DMC1812-100M	10.0	8.6	12.0	18.0
DMC1812-120M	12.0	6.0	14.0	14.0
DMC1812-150M	15.0	10.0	13.0	13.0
DMC1812-220M	22.0	15.0	11.0	12.0
DMC1812-330M	33.0	25.0	9.0	10.0
DMC1812-470M	47.0	40.0	7.0	9.0
DMC1812-680M	68.0	50.0	6.0	6.0
DMC1812-101M	100.0	70.0	4.0	5.0