

SINLOON®

平面灌膠式空芯線圈電感
Type: AM0603/AM0805/AM1008

TYPE: AM Series
SMD Flat Top Air Core Inductor

Feature

- ◆ High frequency (高頻)
- ◆ Highest possible SRF as well as excellent Q values (高共振頻率及高品質因素)
- ◆ The constitutive property is good and easy to operate (結構性佳、使用方便)

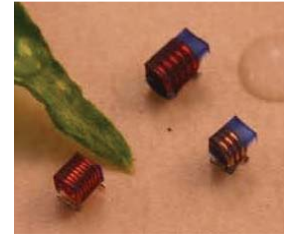
Applications (用途)

- ◆ Pager, Cordless phone & High Freq. Communication Products (呼叫器、行動電話及高頻通訊類產品)
- ◆ Intercom, CATV (對講機、CATV)

Ordering

Product Identification of Part Number (i.e. : AM0603-4N7K)
AM0603 SMD Flat Top Air Core Inductors Size
4N7: Inductance
K: Tolerance J : ±5%, K: ±10%, M: ±20%; L:±30%.

Figure



Package

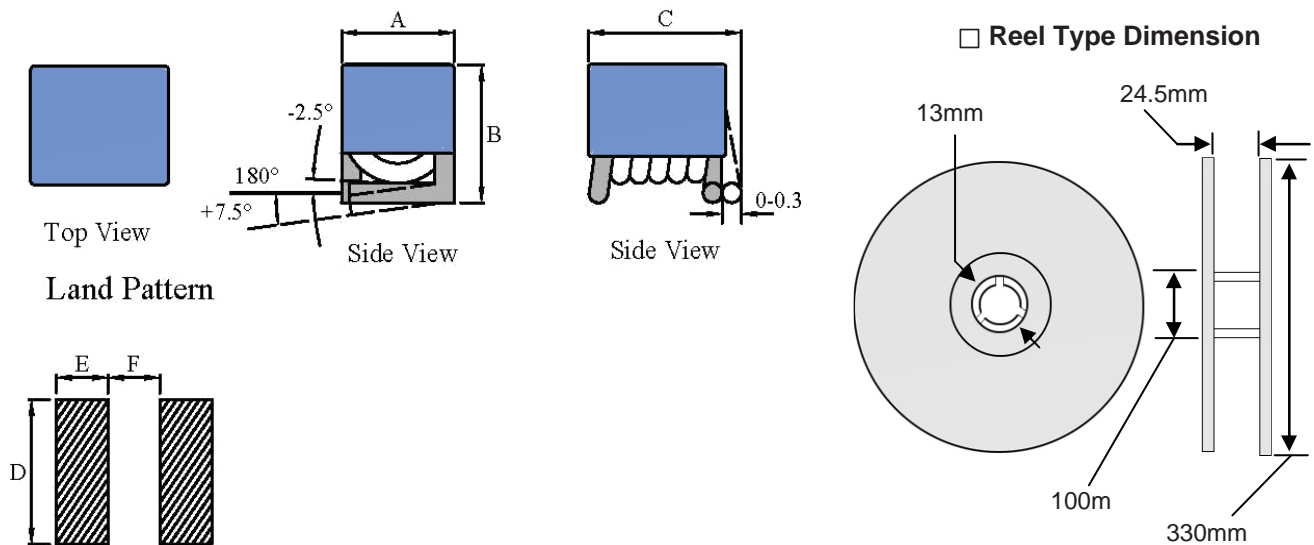
Packaging Tape Reel 330mm diameter
reel EIA ST 481-1
Quantity 4000 piece reel

Configurations & Dimension

Unit: mm

TYPE	A (max)	B (max)	C (max)	D	E	F	Reel	MPQ
AM0603	1.8	2.0	2.00	1.02	0.64	0.64	330	4K/piece
AM0805	1.8	2.1	2.85	1.78	1.02	0.76		
AM1008	1.9	2.2	3.20	2.54	1.02	1.27		

* Design as Customers Requested Specifications (可依特殊需求設計生產)



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※美隆公司產品規格及其特性參數的改變或更新恕不另行通知。

※Mayloon characteristic parameters of electronic product specification changes or updates without notice to improve



□ Electrical Characteristics for AM0603 Series

產品規格型號 Ordering Part Number	電感值(L) Inductance L (nH)	品質因數 Q (min)	測試頻率 Test Freq (MHz)	共振頻率 SRF(MHz) (min)	直流抵抗 DCR (Ω) (max)	定格電流 IDC (mA) (max)
AM0603 - 3N9K	3.9	80	300	>3000	3.0	950
AM0603 - 4N7K	4.7	80	300	>3000	3.6	900
AM0603 - 5N6K	5.6	80	300	>3000	3.8	950
AM0603 - 6N8K	6.8	80	300	>3000	4.5	900
AM0603 - 8N2K	8.2	70	300	>3000	5.3	840
AM0603 - 10NK	10.0	70	300	>3000	6.9	600
AM0603 - 12NK	12.0	70	300	>3000	8.3	600
AM0603 - 15NK	15.0	70	300	2500	11.5	500
AM0603 - 18NK	18.0	70	300	2500	12.8	500
AM0603 - 22NK	22.0	70	300	2400	11.3	550
AM0603 - 27NK	27.0	70	300	1600	17.0	500
AM0603 - 33NK	33.0	70	300	1600	26.9	320
AM0603 - 39NK	39.0	70	300	1500	30.7	320
AM0603 - 47NK	47.0	70	300	1500	34.5	320
AM0603 - 56NK	56.0	70	300	1300	38.4	320

□ Electrical Characteristics for AM0805 Series

產品規格型號 Ordering Part Number	電感值(L) Inductance L (nH)	品質因數 Q (min)	測試頻率 Test Freq (MHz)	共振頻率 SRF(MHz) (min)	直流抵抗 DCR (Ω) (max)	定格電流 IDC (mA) (max)
AM0805 - 3N9K	3.9	80	300	>3000	2.6	1200
AM0805 - 4N7K	4.7	80	300	>3000	3.6	900
AM0805 - 5N6K	5.6	80	300	>3000	3.7	950
AM0805 - 6N8K	6.8	80	300	>3000	4.5	900
AM0805 - 8N2K	8.2	70	300	>3000	5.3	840
AM0805 - 10NK	10.0	70	300	>3000	5.4	900
AM0805 - 12NK	12.0	70	300	>3000	6.3	900
AM0805 - 15NK	15.0	70	300	2500	7.2	900
AM0805 - 18NK	18.0	70	300	2500	12.5	500
AM0805 - 22NK	22.0	70	300	2400	12.9	550
AM0805 - 27NK	27.0	70	300	1600	14.5	550
AM0805 - 33NK	33.0	70	300	1600	18.7	500
AM0805 - 39NK	39.0	70	300	1500	25.7	380
AM0805 - 47NK	47.0	70	300	1500	34.5	320
AM0805 - 56NK	56.0	70	300	1300	38.4	320
AM0805 - 68NK	68.0	70	300	1300	42.2	320

□ Electrical Characteristics for AM1008 Series

產品規格型號 Ordering Part Number	電感值(L) Inductance L (nH)	品質因數 Q (min)	測試頻率 Test Freq (MHz)	共振頻率 SRF(MHz) (min)	直流抵抗 DCR (Ω) (max)	定格電流 IDC (mA) (max)
AM1008 - 6N8K	6.8	80	300	>3000	4.0	1200
AM1008 - 8N2K	8.2	80	300	>3000	5.0	950
AM1008 - 10NK	10.0	70	300	>3000	6.0	950
AM1008 - 12NK	12.0	70	300	>3000	6.5	900
AM1008 - 15NK	15.0	70	300	2500	7.3	900
AM1008 - 18NK	18.0	70	300	2500	9.6	840
AM1008 - 22NK	22.0	70	300	2400	10.8	840
AM1008 - 27NK	27.0	70	300	1600	13.9	600
AM1008 - 33NK	33.0	70	300	1600	19.5	500
AM1008 - 39NK	39.0	70	300	1500	21.6	500
AM1008 - 47NK	47.0	70	300	1500	25.2	470
AM1008 - 56NK	56.0	70	300	1300	27.5	470
AM1008 - 68NK	68.0	70	300	1300	37.1	380
AM1008 - 82NK	82.0	70	300	1000	51.5	320
AM1008 - R10K	100.0	70	300	1000	55.5	320
AM1008 - R12K	120.0	70	300	950	63.4	320

