

1. Part No. Expression:

SDB16081R0MF - □□

(a) (b) (c) (d)(e) (f)

(a) Series Code

(b) Dimension Code

(c) Inductance Code

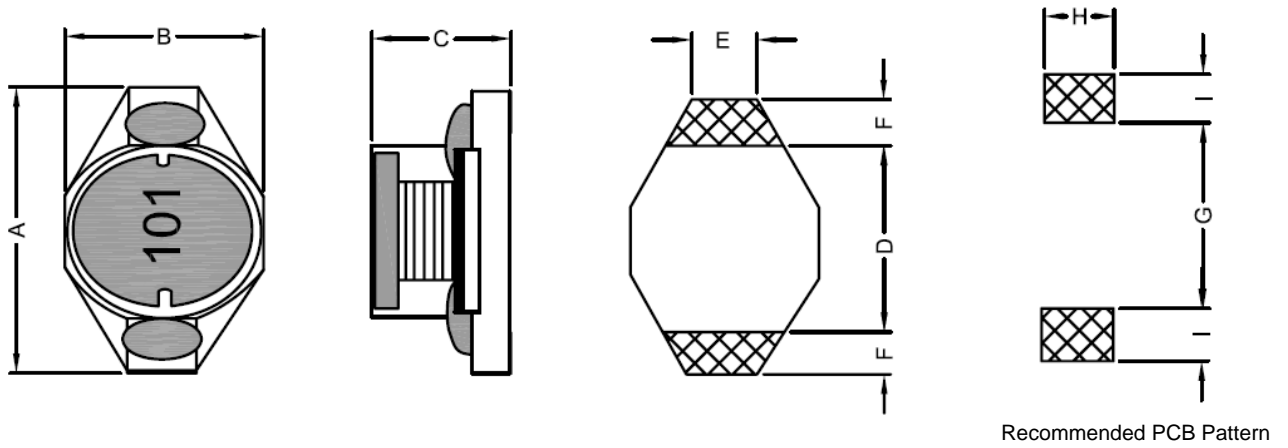
(d) Tolerance Code

(e) RoHS Compliant

(f) 11-99:

Internal Control Code

2. Configuration & Dimensions :



Recommended PCB Pattern

Unit: mm

A	B	C	D	E	F	G	H	I
6.60 Max.	4.45 Max.	2.92 Max.	4.32 Ref.	1.27 Ref.	1.02 Ref.	4.06 Ref.	3.56 Ref.	1.40 Ref.

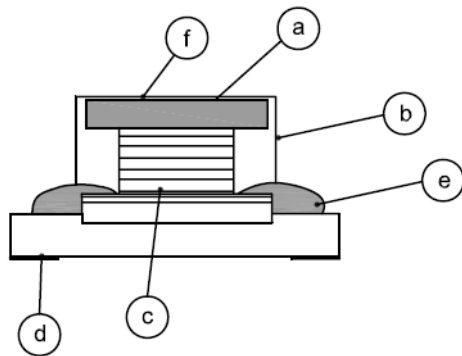
3. Schematic



NOTE: Specifications subject to change without notice. Please check our website for latest information.



4. Material List



- a) Core
- b) Core
- c) Wire
- d) Base
- e) Adhesive
- f) Ink

5. General Specification

- a) Ambient Temp.: 20°C
- b) Temp. rise: 40°C Max.
- c) Operating Temperature: -40°C to 85°C
- d) Storage Condition (component in packaging):
 - i) Temperature: -10°C to 40°C
 - ii) Humidity: 60%

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6. Electrical Characteristics

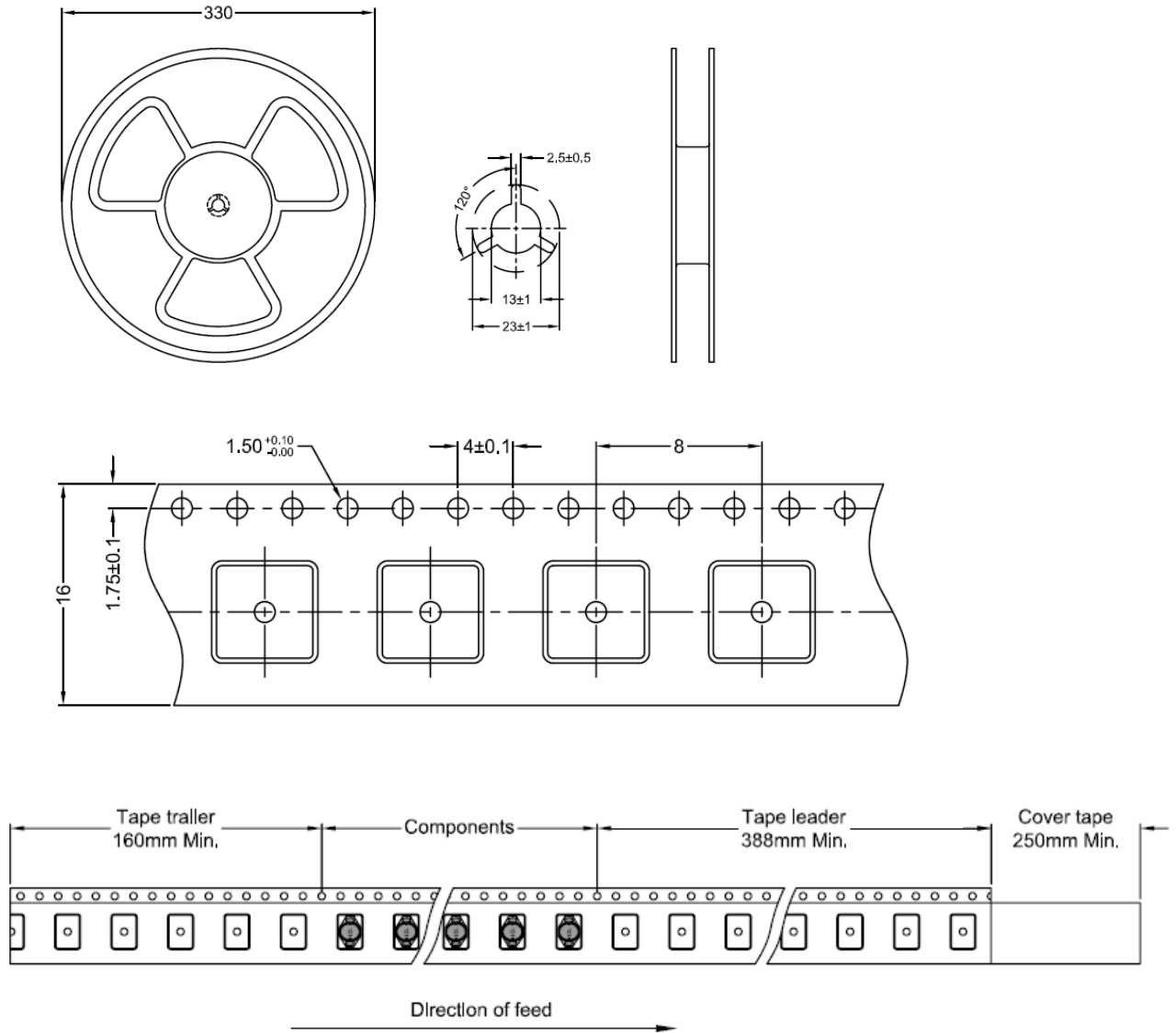
Part Number	Inductance (μH) \pm 20%	Test Frequency (Hz)	Q Min.	Test Frequency (Hz)	SRF (MHz) Typ.	RDC (Ω) Max.	I _{rms} (A)
SDB16081R0MF	1.0	0.1V/100K	30	0.1V/200K	250	0.040	3.0
SDB16081R5MF	1.5	0.1V/100K	30	0.1V/200K	125	0.045	2.8
SDB16082R2MF	2.2	0.1V/100K	40	0.1V/200K	120	0.050	1.8
SDB16083R3MF	3.3	0.1V/100K	40	0.1V/200K	120	0.055	1.6
SDB16084R7MF	4.7	0.1V/100K	40	0.1V/200K	105	0.060	1.4
SDB16086R8MF	6.8	0.1V/100K	40	0.1V/200K	50	0.065	1.2
SDB1608100MF	10	0.1V/100K	40	0.1V/200K	38	0.075	1.0
SDB1608150MF	15	0.1V/100K	40	0.1V/100K	33	0.090	0.80
SDB1608220MF	22	0.1V/100K	40	0.1V/100K	25	0.110	0.70
SDB1608330MF	33	0.1V/100K	40	0.1V/100K	20	0.190	0.60
SDB1608470MF	47	0.1V/100K	40	0.1V/100K	20	0.230	0.50
SDB1608680MF	68	0.1V/100K	40	0.1V/100K	15	0.290	0.40
SDB1608101MF	100	0.1V/100K	40	0.1V/100K	10	0.480	0.30
SDB1608151MF	150	0.1V/100K	40	0.1V/100K	9	0.590	0.26
SDB1608221MF	220	0.1V/100K	40	0.1V/100K	6	0.900	0.22
SDB1608331MF	330	0.1V/100K	40	0.1V/100K	5	1.400	0.20
SDB1608471MF	470	0.1V/100K	40	0.1V/100K	4	1.800	0.19
SDB1608681MF	680	0.1V/100K	40	0.1V/100K	3	2.200	0.18
SDB1608102MF	1000	0.1V/100K	40	0.1V/100K	2	3.400	0.15
SDB1608152MF	1500	0.1V/100K	50	0.1V/100K	2	4.200	0.12
SDB1608222MF	2200	0.1V/100K	50	0.1V/100K	2	8.500	0.10
SDB1608332MF	3300	0.1V/100K	50	0.1V/100K	1	11.000	0.08
SDB1608472MF	4700	0.1V/100K	50	0.1V/100K	1	13.900	0.06
SDB1608682MF	6800	0.1V/100K	50	0.1V/100K	1	25.000	0.04
SDB1608103MF	10000	0.1V/100K	50	0.1V/100K	0.8	32.800	0.02

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7. Packaging Information

7-1 Tape & Reel Dimension



7-2. Quantity & G.W. Per Package

Series	Inner: Reel		Outer: Carton	
	Qty (pcs)	G.W (gw)	Qty (pcs)	G.W (kg)
SDB1608	2000	0.82	14000	7

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