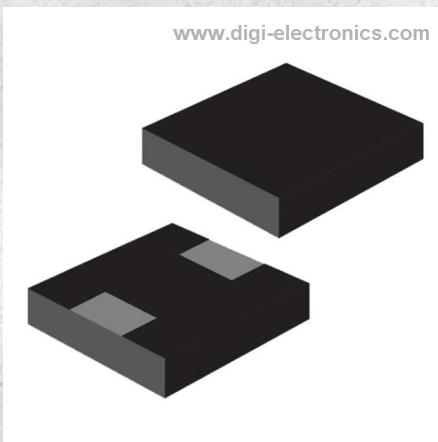


# ECS-MPIL0630-3R3MC Datasheet



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	ECS-MPIL0630-3R3MC-DG
Manufacturer	<a href="#">ECS Inc.</a>
Manufacturer Product Number	ECS-MPIL0630-3R3MC
Description	FIXED IND 3.3UH 9.5A 22 MOHM SMD
Detailed Description	3.3 $\mu$ H Shielded Molded Inductor 9.5 A 22mOhm Max Nonstandard



Tel: +00 852-30501935

RFQ Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)

DiGi is a global authorized distributor of electronic components.

## Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
ECS-MPIL0630-3R3MC	ECS Inc.
Series:	Product Status:
ECS-MPIL0630	Active
Type:	Material - Core:
Molded	-
Inductance:	Tolerance:
3.3 $\mu$ H	$\pm$ 20%
Current Rating (Amps):	Current - Saturation (Isat):
9.5 A	-
Shielding:	DC Resistance (DCR):
Shielded	22mOhm Max
Q @ Freq:	Frequency - Self Resonant:
-	-
Ratings:	Operating Temperature:
-	-
Inductance Frequency - Test:	Features:
100 kHz	-
Mounting Type:	Package / Case:
Surface Mount	Nonstandard
Supplier Device Package:	Size / Dimension:
-	0.291" L x 0.260" W (7.40mm x 6.60mm)
Height - Seated (Max):	
0.118" (3.00mm)	

## Environmental & Export classification

RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	1 (Unlimited)
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	
8504.50.8000	

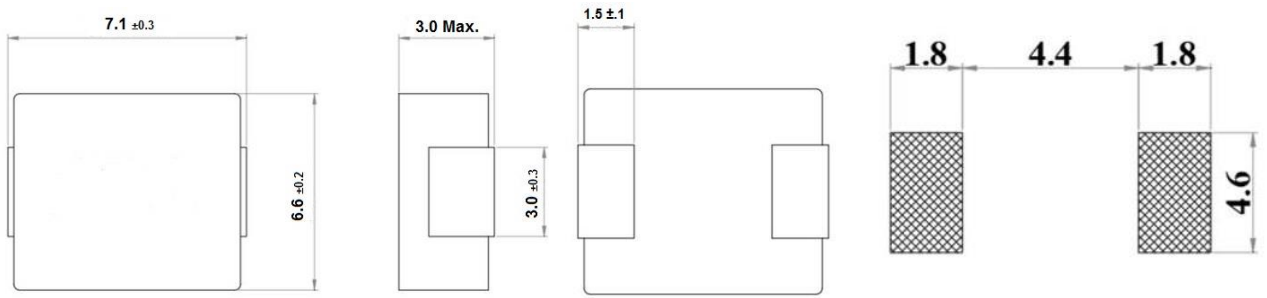
# ECS-MPIL0630

## SMD Power Inductor





## 1. Mechanical Dimension [Unit : mm]



## 2. Electrical Characteristics

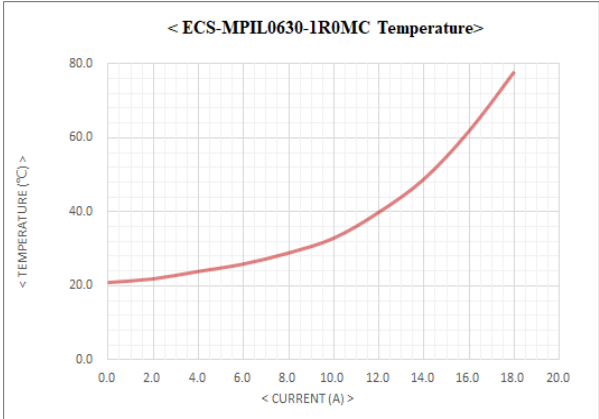
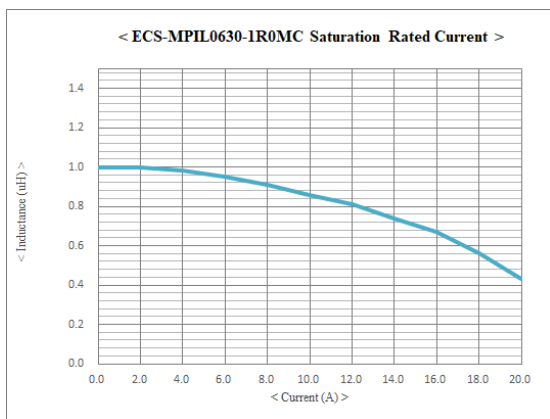
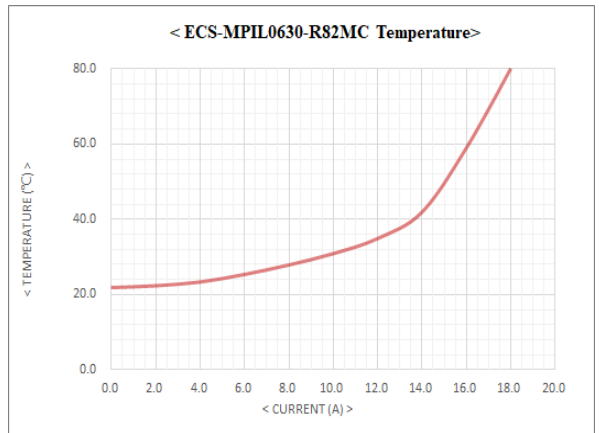
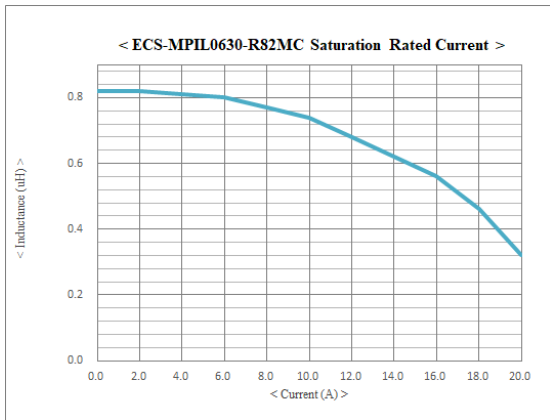
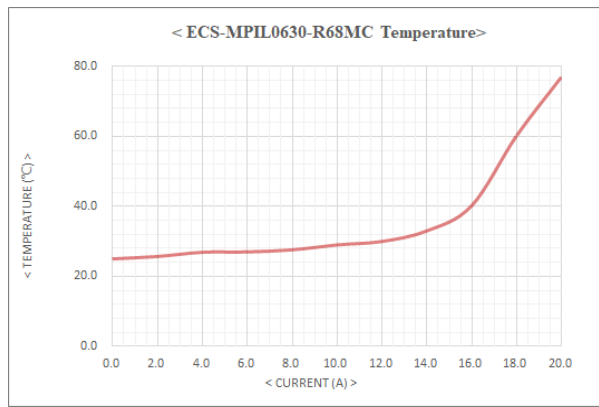
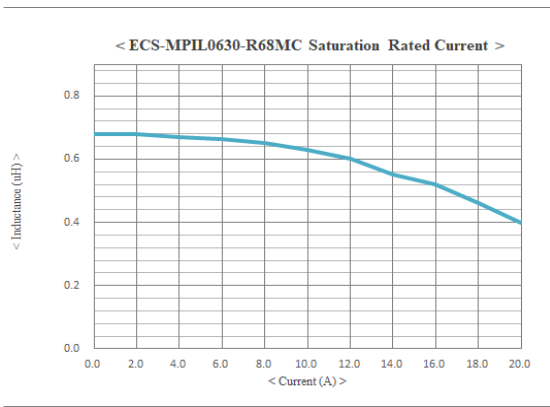
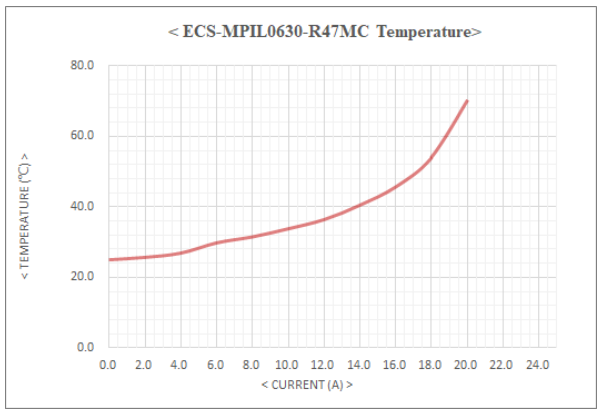
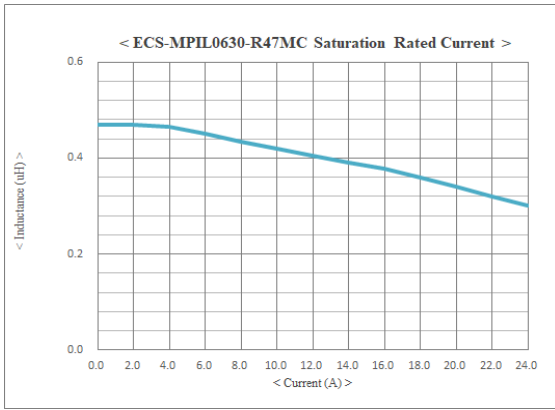
### ECS-MPIL0630 Series

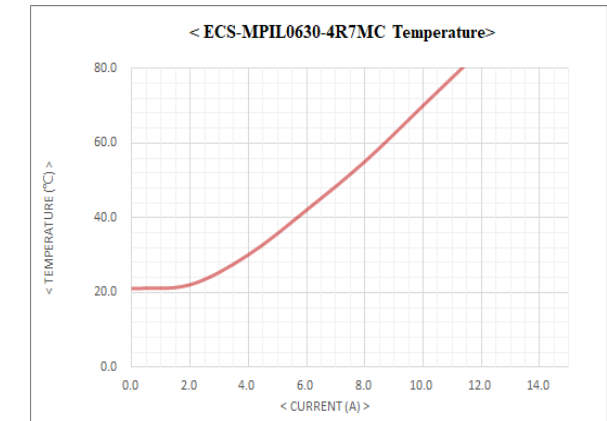
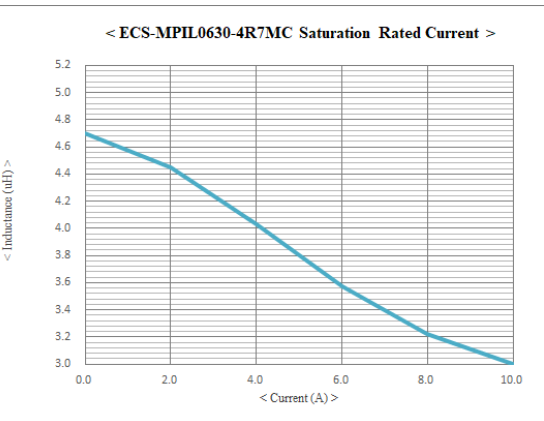
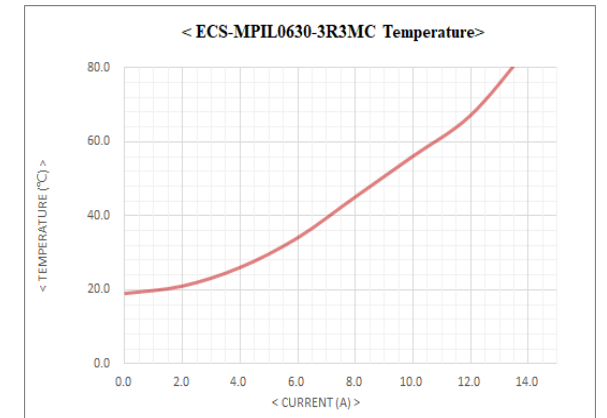
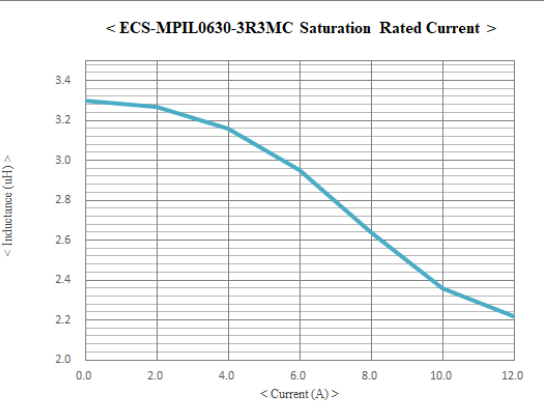
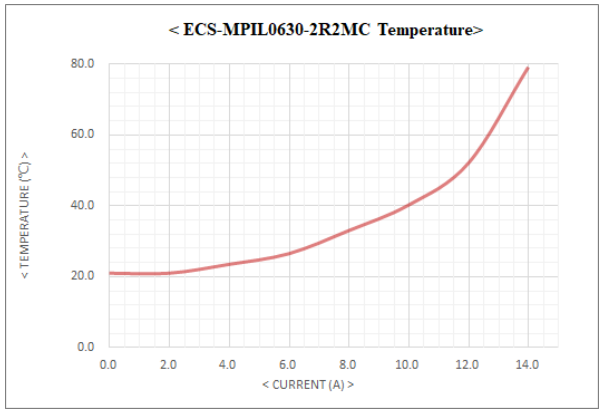
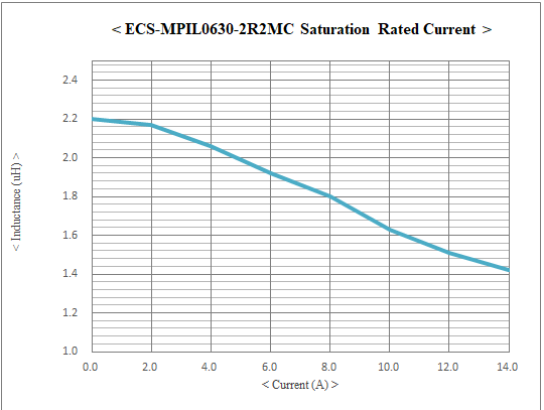
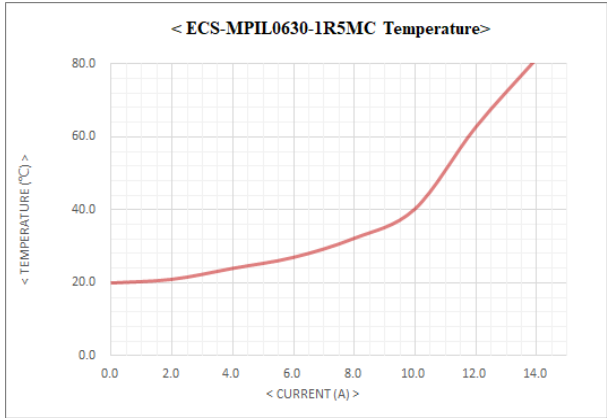
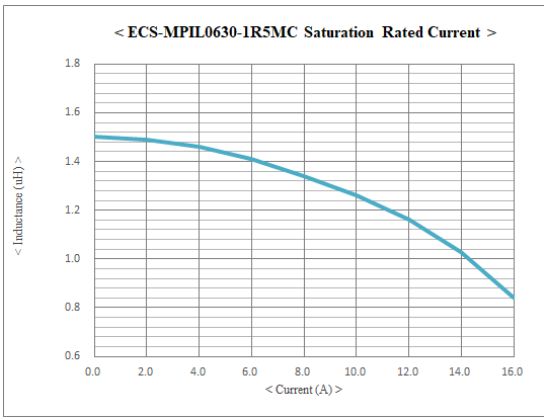
Part No.	Inductance ( $\mu\text{H} \pm 20\%$ )	DC Resistance ( $\text{m}\Omega$ MAX)	DC Resistance ( $\text{m}\Omega$ TYP.)	Rated Current (A MAX)	Heat Rating Current DC(A)
ECS-MPIL0630-R47MC	0.47	4.1	3.4	20.0	18.0
ECS-MPIL0630-R56MC	0.56	4.5	4.25	18.0	16.5
ECS-MPIL0630-R68MC	0.68	5.3	4.8	17.0	16.0
ECS-MPIL0630-R82MC	0.82	6.0	5.4	16.0	14.0
ECS-MPIL0630-1R0MC	1.0	9.2	8.4	15.0	12.0
ECS-MPIL0630-1R5MC	1.5	12.1	10.6	14.0	10.0
ECS-MPIL0630-2R2MC	2.2	15.0	13.5	10.0	8.0
ECS-MPIL0630-3R3MC	3.3	22.0	18.0	9.5	6.5
ECS-MPIL0630-4R7MC	4.7	33.0	28.0	6.5	5.5
ECS-MPIL0630-5R6MC	5.6	42.0	37.5	6.3	4.8
ECS-MPIL0630-6R8MC	6.8	50.0	43.9	6.0	4.5
ECS-MPIL0630-100MC	10	68.0	62.0	5.5	4.0
ECS-MPIL0630-150MC	15	95.0	90.0	4.0	3.0
ECS-MPIL0630-220MC	22	135.0	125.0	3.0	2.5

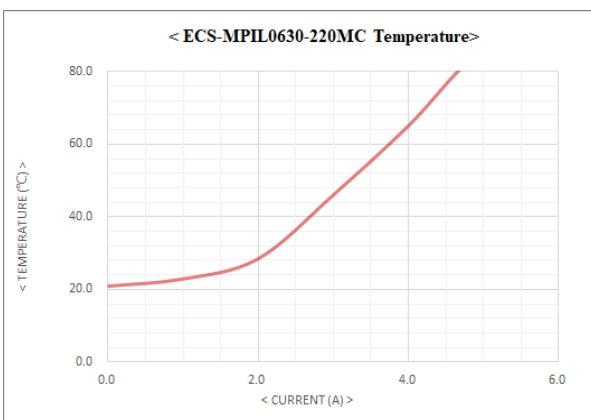
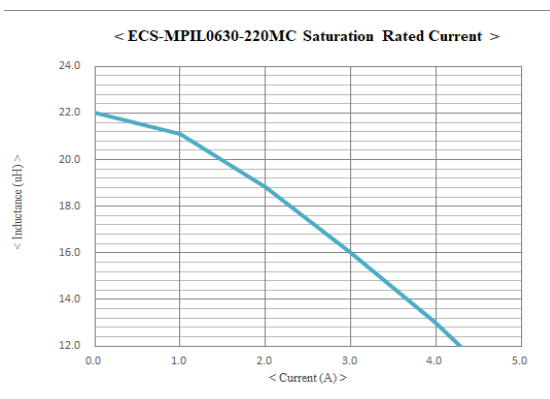
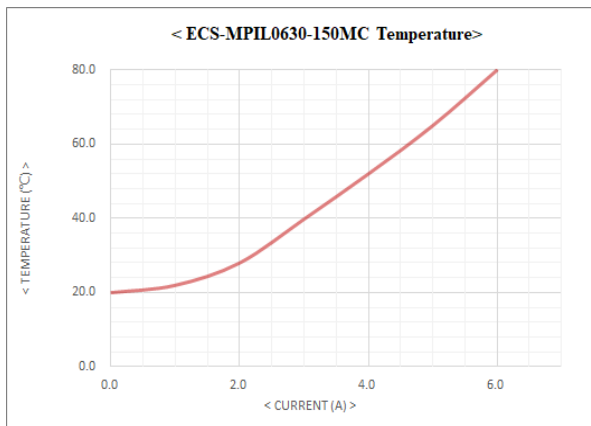
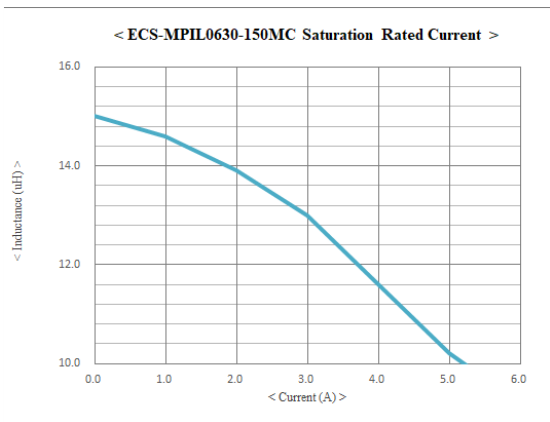
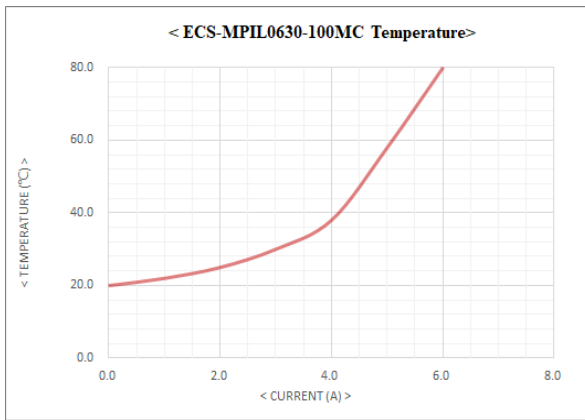
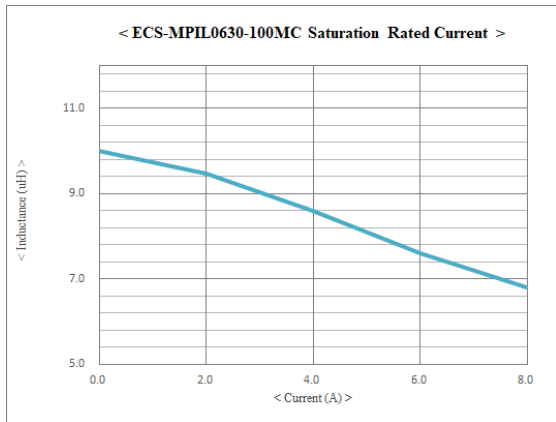
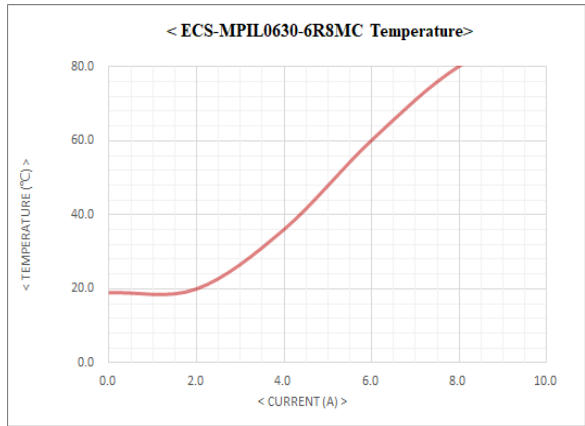
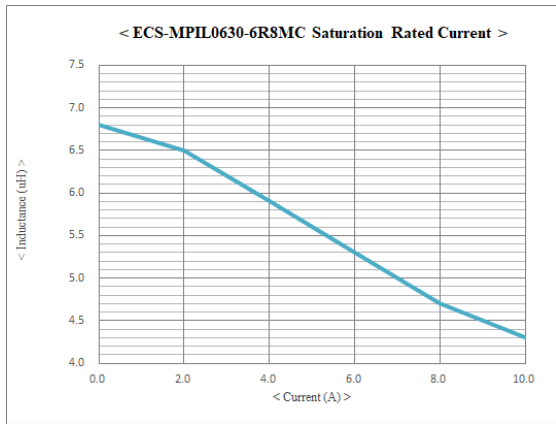
Storage and Operating Temperature:  $-40 \sim +125 \text{ }^\circ\text{C}$

Measuring Frequency (L) : 100KHz/0.1V

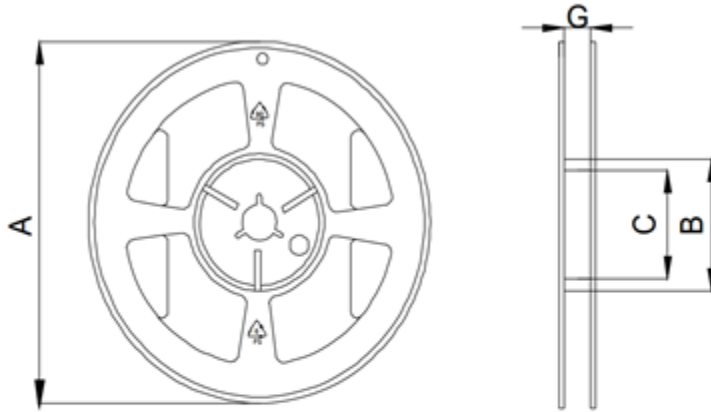
Rated Current: D.C. Current at which the Inductance drops 30%(MAX.) from its value without current





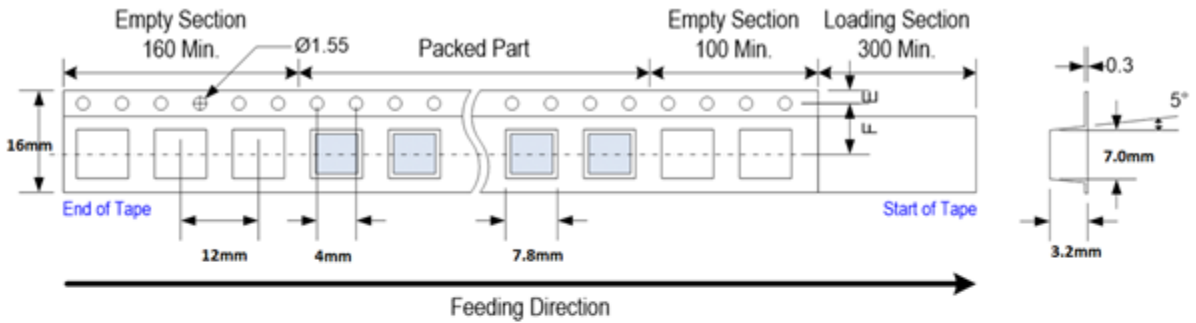


### 7. REEL DIMENSION (mm)

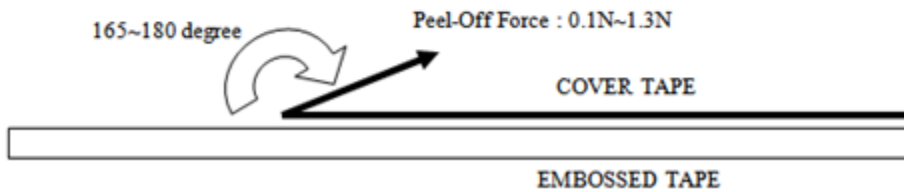


A	B	C	G
330	100	13	<b>16</b>

### 8. EMBOSSED TAPE DIMENSIONS (mm)



### 9. PEEL-OFF STRENGTH





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