#### 0201 Series Thin Film Chip Inductor 1. Scope This specification applies to 0.6mm x 0.3mm (0201) size, fixed thin film chip inductor rectangular type. 2. Type Designation CML0306 NH \* \* \* \* (2)(4)(1)(3) Where (1) Product Type CML: fixed thin film chip inductor (2) Nominal inductance value : three digits of number, refer to Table 1. The nominal inductance value shell is represented by two significant figures and a code "N" representing the unit. (3) Tolerance B: $\pm 0.1$ nH; C: $\pm 0.2$ nH; S: $\pm 0.3$ nH H: $\pm$ 3%; J: $\pm$ 5% (4) NH = Sn plating (Lead free / Halogen free) 3. Construction and Physical Dimensions Code Letter L Dimensions a a L 3 $0.61 \pm 0.05$ W $0.31 \pm 0.05$ t $0.28\pm0.05$ $0.08 \pm 0.05$ a W (2)(2) $0.09\pm0.05$ b Unit : mm Note : (1) Coil : Cu ② Electrode : plating Sn plating (Lead free) (4)③ Protective Coat : Epoxy Resin coating b (4) Substrate : Alumina ceramic

- This datasheet is download from CYNTEC website. All specifications are subject to change without notice in advance. Please check
  with our sales for detail.
- The completely specification information will be disclosed in our product approval sheet. Please contact our sales for completely approval sheet before ordering.

#### 4. Specifications

### Table 1 Electric Specification Characteristics

Inductance         Tolerance         Q         LQ Mcs. Freq.         Sclf Resonance Freq.         DC Resistance         Rated Current           (nHJ)         min.         (MHz)         (MHz)         (MHz)min.         (Q)max.         (mA)           CML0306-0N6         ± 0.1nH          100         6000         0.10         850           CML0306-0N8          6000         0.10         850           CML0306-1N0         5         6000         0.10         800           CML0306-1N3         5         6000         0.10         800           CML0306-1N3         5         6000         0.10         800           CML0306-1N3         5         6000         0.10         800           CML0306-1N4         5         6000         0.16         650           CML0306-1N5         5         6000         0.20         650           CML0306-1N7         5         6000         0.20         650           CML0306-2N0         4         6000         0.20         620           CML0306-2N5         4         6000         0.20         500           CML0306-2N5         4         6000         0.20         500	Table 1	Electric S	Specification	<u>Charac</u>	eteristics			
Image: CML 0306-0N6         ± 0.1nH         min.         (MHz)         (MHz)min.         (Q)max.         (mA)           CML0306-0N6         ± 0.1nH          100         6000         0.10         900           CML0306-0N7          6000         0.10         850           CML0306-0N8          6000         0.10         800           CML0306-1N1         5         6000         0.10         800           CML0306-1N2         5         6000         0.10         800           CML0306-1N3         5         6000         0.10         800           CML0306-1N3         5         6000         0.10         800           CML0306-1N5         5         6000         0.12         650           CML0306-1N5         5         6000         0.16         650           CML0306-1N6         5         6000         0.20         650           CML0306-1N8         5         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000 <th>Inc</th> <th>luctance</th> <th>Tolerance</th> <th>Q</th> <th></th> <th></th> <th>DC Resistance</th> <th>Rated Current</th>	Inc	luctance	Tolerance	Q			DC Resistance	Rated Current
CML0306-0N6         ± 0.1nH          100         6000         0.10         900           CML0306-0N7          6000         0.10         850           CML0306-0N8          6000         0.10         850           CML0306-1N0         5         6000         0.10         800           CML0306-1N1         5         6000         0.10         800           CML0306-1N3         5         6000         0.10         800           CML0306-1N3         5         6000         0.10         800           CML0306-1N4         5         6000         0.10         800           CML0306-1N5         5         6000         0.112         650           CML0306-1N6         5         6000         0.16         650           CML0306-1N7         5         6000         0.20         650           CML0306-2N1         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N7         4         6000         0.20         500								
CML0306-0N7          6000         0.10         850           CML0306-0N8          6000         0.10         850           CML0306-0N8          6000         0.10         850           CML0306-0N9         5         6000         0.10         800           CML0306-1N1         5         6000         0.10         800           CML0306-1N2         5         6000         0.10         800           CML0306-1N3         5         6000         0.10         800           CML0306-1N4         5         6000         0.12         650           CML0306-1N5         5         6000         0.16         650           CML0306-1N7         5         6000         0.20         659           CML0306-2N1         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         500           CML0306-2N1         4         6000         0.20         500           CML0306-2N1         4         6000         0.20         500           CML0306-2N5         4 <td></td> <td>(nH)</td> <td></td> <td>min.</td> <td></td> <td>(MHz)min.</td> <td><b>(Ω)max.</b></td> <td>, <i>,</i> ,</td>		(nH)		min.		(MHz)min.	<b>(Ω)max.</b>	, <i>,</i> ,
CML0306-0N8            CML0306-0N9            CML0306-0N9            CML0306-1N0         5           CML0306-1N1         5           CML0306-1N2         5           CML0306-1N3         5           CML0306-1N3         5           CML0306-1N3         5           CML0306-1N4         5           CML0306-1N5         5           CML0306-1N7         5           CML0306-1N7         5           CML0306-1N7         5           CML0306-1N7         5           CML0306-1N7         5           CML0306-1N7         5           CML0306-2N1         4           CML0306-2N1         4           CML0306-2N1         4           CML0306-2N3         4           CML0306-2N3         4           CML0306-2N4         4           CML0306-2N5         4           CML0306-2N5         4           CML0306-2N5         4           CML0306-2N5         4           CML0306-2N5         4           G000         0.20         500           CML0306-2N5         4	CML	.0306-0N6	± 0.1nH		100	6000	0.10	900
CML0306-0N9          6000         0.10         800           CML0306-1N0         5         6000         0.10         800           CML0306-1N1         5         6000         0.10         800           CML0306-1N2         5         6000         0.10         800           CML0306-1N3         5         6000         0.10         800           CML0306-1N3         5         6000         0.12         650           CML0306-1N5         5         6000         0.16         650           CML0306-1N7         5         6000         0.20         650           CML0306-1N7         5         6000         0.20         650           CML0306-1N7         5         6000         0.20         650           CML0306-2N1         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         500           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N4         4	CMI	.0306-0N7				6000	0.10	850
CML0306-1N0         5         6000         0.10         800           CML0306-1N1         5         6000         0.10         800           CML0306-1N2         5         6000         0.10         800           CML0306-1N3         5         6000         0.10         800           CML0306-1N3         5         6000         0.110         800           CML0306-1N4         5         6000         0.12         650           CML0306-1N5         5         6000         0.16         650           CML0306-1N6         5         6000         0.16         650           CML0306-1N7         5         6000         0.20         650           CML0306-1N8         5         6000         0.20         620           CML0306-2N0         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         500           CML0306-2N3         4	CMI	.0306-0N8				6000	0.10	850
CML0306-1N1         5         6000         0.10         800           CML0306-1N2         5         6000         0.10         800           CML0306-1N3         5         6000         0.110         800           CML0306-1N4         5         6000         0.12         650           CML0306-1N5         5         6000         0.16         650           CML0306-1N6         5         6000         0.16         650           CML0306-1N7         5         6000         0.20         650           CML0306-1N8         5         6000         0.20         650           CML0306-2N0         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N2         4         6000         0.20         500           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N5         4         6000         0.20         500           CML0306-2N8         4	CMI	.0306-0N9				6000	0.10	800
CML0306-IN2         5           CML0306-IN3         5           CML0306-IN3         5           CML0306-IN4         5           CML0306-IN5         5           CML0306-IN6         5           CML0306-IN7         5           CML0306-IN7         5           CML0306-IN8         5           CML0306-IN9         4           CML0306-2N0         4           CML0306-2N1         4           CML0306-2N3         4           CML0306-2N4         4           G000         0.20           CML0306-2N5         4           G000         0.20           CML0306-2N6         4           G000         0.20           CML0306-2N6         4           G000         0.23           CML0306-2N6         4           G000         0.23           CML0306-3N1         4           G000         0.30	CMI	.0306-1N0		5		6000	0.10	800
CML0306-1N3         5           CML0306-1N4         5           CML0306-1N5         5           CML0306-1N6         5           CML0306-1N7         5           CML0306-1N8         5           CML0306-1N8         5           CML0306-1N8         5           CML0306-1N8         5           CML0306-2N0         4           CML0306-2N1         4           CML0306-2N2         4           CML0306-2N3         4           CML0306-2N4         4           CML0306-2N5         4           CML0306-2N6         4           CML0306-2N7         4           G000         0.20           CML0306-2N8         4           CML0306-2N7         4           G000         0.20           CML0306-2N8         4           G000         0.23           CML0306-2N8         4           G000         0.25           CML0306-3N0         4           CML0306-3N1         4           G000         0.30         450           CML0306-3N4         4           G000         0.30         450	CMI	.0306-1N1		5		6000	0.10	800
CML0306-1N4         5         6000         0.13         650           CML0306-1N5         5         6000         0.13         650           CML0306-1N5         5         6000         0.16         650           CML0306-1N7         5         6000         0.16         650           CML0306-1N8         5         6000         0.20         650           CML0306-1N8         5         6000         0.20         650           CML0306-1N8         5         6000         0.20         650           CML0306-1N9         4         6000         0.20         620           CML0306-2N0         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N7         4         6000         0.20         500           CML0306-3N1         4         6000         0.25         500           CML0306-3N1         4         6000         0.30         450           CML0306-3N3         4	CML	.0306-1N2		5		6000	0.10	800
CML0306-1N5         5         6000         0.16         650           CML0306-1N5         5         6000         0.16         650           CML0306-1N7         5         6000         0.16         650           CML0306-1N8         5         6000         0.20         650           CML0306-1N8         5         6000         0.20         650           CML0306-1N9         4         6000         0.20         620           CML0306-2N0         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         620           CML0306-2N4         4         6000         0.20         500           CML0306-2N5         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N7         4         6000         0.22         500           CML0306-3N1         4         6000         0.25         500           CML0306-3N1         4         6000         0.30         450           CML0306-3N3         4	CML	.0306-1N3		5		6000	0.12	650
CML0306-1N6         5         6000         0.16         650           CML0306-1N7         5         6000         0.20         650           CML0306-1N8         5         6000         0.20         650           CML0306-1N8         5         6000         0.20         650           CML0306-1N9         4         6000         0.20         620           CML0306-2N0         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N5         4         6000         0.20         500           CML0306-2N7         4         6000         0.20         500           CML0306-2N8         4         6000         0.25         500           CML0306-3N1         4         6000         0.30         450           CML0306-3N1         4	CMI	.0306-1N4		5		6000	0.13	650
CML0306-1N7         5         6000         0.20         650           CML0306-1N7         5         6000         0.20         650           CML0306-1N8         5         6000         0.20         650           CML0306-1N9         4         6000         0.20         620           CML0306-2N0         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N2         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N6         4         6000         0.20         500           CML0306-2N7         4         6000         0.23         500           CML0306-3N0         4         6000         0.25         500           CML0306-3N1         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N4         4	CMI	.0306-1N5		5		6000	0.16	650
CML0306-1N8         5         6000         0.20         650           CML0306-1N9         4         6000         0.20         620           CML0306-1N9         4         6000         0.20         620           CML0306-2N0         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N5         4         6000         0.20         500           CML0306-2N7         4         6000         0.23         500           CML0306-2N9         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N1         4         6000         0.32         450           CML0306-3N4         4	CMI	.0306-1N6		5		6000	0.16	650
CML0306-1N9         4         6000         0.20         620           CML0306-1N9         4         6000         0.20         620           CML0306-2N0         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N6         4         6000         0.20         500           CML0306-2N7         4         6000         0.23         500           CML0306-2N8         4         6000         0.25         500           CML0306-3N0         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N3         4         6000         0.30         450           CML0306-3N4         4         6000         0.32         450           CML0306-3N7         4	CMI	.0306-1N7		5		6000	0.20	650
CML0306-2N0         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N1         4         6000         0.20         620           CML0306-2N2         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N6         4         6000         0.20         500           CML0306-2N7         4         6000         0.23         500           CML0306-2N8         4         6000         0.25         500           CML0306-2N8         4         6000         0.25         500           CML0306-3N0         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N3         4         6000         0.32         450           CML0306-3N4         4         6000         0.32         450           CML0306-3N6         4	CMI	.0306-1N8		5		6000	0.20	650
CML0306-2N1         4         6000         0.20         620           CML0306-2N2         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N5         4         6000         0.20         500           CML0306-2N6         4         6000         0.20         500           CML0306-2N7         4         6000         0.23         500           CML0306-2N8         4         6000         0.25         500           CML0306-3N0         4         6000         0.25         500           CML0306-3N1         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N4         4         6000         0.32         450           CML0306-3N6         4         6000         0.32         450           CML0306-3N7         4	CMI	.0306-1N9		4		6000	0.20	620
CML0306-2N2         4         6000         0.20         620           CML0306-2N3         4         6000         0.20         500           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N5         4         6000         0.20         500           CML0306-2N6         4         6000         0.20         500           CML0306-2N7         4         6000         0.23         500           CML0306-2N8         4         6000         0.25         500           CML0306-2N9         4         6000         0.25         500           CML0306-3N1         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N3         4         6000         0.32         450           CML0306-3N4         4         6000         0.32         450           CML0306-3N5         4         6000         0.32         450           CML0306-3N6         4	CMI	.0306-2N0		4		6000	0.20	620
CML0306-2N3         4         6000         0.20         500           CML0306-2N3         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N5         4         6000         0.20         500           CML0306-2N6         4         6000         0.20         500           CML0306-2N7         4         6000         0.20         500           CML0306-2N8         4         6000         0.23         500           CML0306-2N8         4         6000         0.25         500           CML0306-2N8         4         6000         0.25         500           CML0306-3N0         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N2         4         6000         0.30         450           CML0306-3N3         4         6000         0.32         450           CML0306-3N4         4         6000         0.32         450           CML0306-3N6         4         6000         0.32         450           CML0306-3N7         4	CMI	.0306-2N1		4		6000	0.20	620
CML0306-2N4         4         6000         0.20         500           CML0306-2N4         4         6000         0.20         500           CML0306-2N5         4         6000         0.20         500           CML0306-2N6         4         6000         0.20         500           CML0306-2N7         4         6000         0.20         500           CML0306-2N8         4         6000         0.23         500           CML0306-2N8         4         6000         0.25         500           CML0306-2N8         4         6000         0.25         500           CML0306-3N0         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N2         4         6000         0.30         450           CML0306-3N3         4         6000         0.32         450           CML0306-3N4         4         6000         0.32         450           CML0306-3N6         4         6000         0.32         450           CML0306-3N7         4         6000         0.32         400           CML0306-3N8         4	CMI	.0306-2N2		4		6000	0.20	620
CML0000 2 M         1         0000         0.120           CML0306-2N5         4         6000         0.20         500           CML0306-2N6         4         6000         0.20         500           CML0306-2N7         4         6000         0.23         500           CML0306-2N8         4         6000         0.25         500           CML0306-2N9         4         6000         0.25         500           CML0306-3N0         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N2         4         6000         0.30         450           CML0306-3N4         4         6000         0.32         450           CML0306-3N5         4         6000         0.32         450           CML0306-3N7         4         6000         0.32         400           CML0306-3N7         4         6000         0.40         350           CML0306-3N8         4         6000	CML	.0306-2N3		4		6000	0.20	500
CML0000 LNC         I         0000         0.10           CML0306-2N6         4         6000         0.20         500           CML0306-2N7         4         6000         0.23         500           CML0306-2N8         4         6000         0.25         500           CML0306-2N9         4         6000         0.25         500           CML0306-3N0         4         6000         0.25         500           CML0306-3N1         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N2         4         6000         0.30         450           CML0306-3N4         4         6000         0.32         450           CML0306-3N5         4         6000         0.32         450           CML0306-3N6         4         6000         0.32         450           CML0306-3N7         4         6000         0.40         400           CML0306-3N8         4         6000         0.40         350	CML	.0306-2N4		4		6000	0.20	500
CML0306-2N7       4       6000       0.23       500         CML0306-2N8       4       6000       0.23       500         CML0306-2N9       4       6000       0.25       500         CML0306-3N0       4       6000       0.25       500         CML0306-3N0       4       6000       0.30       450         CML0306-3N1       4       6000       0.30       450         CML0306-3N2       4       6000       0.30       450         CML0306-3N3       4       6000       0.30       450         CML0306-3N4       4       6000       0.32       450         CML0306-3N5       4       6000       0.32       450         CML0306-3N5       4       6000       0.32       450         CML0306-3N5       4       6000       0.32       450         CML0306-3N6       4       6000       0.32       400         CML0306-3N8       4       6000       0.40       350	CML	.0306-2N5		4		6000	0.20	500
CML0306-2N8       4         CML0306-2N9       4         CML0306-3N0       4         CML0306-3N0       4         CML0306-3N0       4         CML0306-3N1       4         CML0306-3N1       4         CML0306-3N2       4         CML0306-3N2       4         CML0306-3N3       4         CML0306-3N4       4         CML0306-3N5       4         CML0306-3N6       4         CML0306-3N7       4         CML0306-3N8       4	CML	.0306-2N6		4		6000	0.20	500
CML0306-2N9         4         6000         0.12         500           CML0306-2N9         4         6000         0.25         500           CML0306-3N0         4         6000         0.30         450           CML0306-3N1         4         6000         0.30         450           CML0306-3N2         4         6000         0.30         450           CML0306-3N3         4         6000         0.30         450           CML0306-3N4         4         6000         0.32         450           CML0306-3N5         4         6000         0.32         450           CML0306-3N6         4         6000         0.32         450           CML0306-3N7         4         6000         0.32         450           CML0306-3N8         4         6000         0.32         450	CML	.0306-2N7		4		6000	0.23	500
CML0306-3N0       4       6000       0.30       450         CML0306-3N1       4       6000       0.30       450         CML0306-3N2       4       6000       0.30       450         CML0306-3N3       4       6000       0.30       450         CML0306-3N3       4       6000       0.30       450         CML0306-3N4       4       6000       0.32       450         CML0306-3N5       4       6000       0.32       450         CML0306-3N6       4       6000       0.32       450         CML0306-3N7       4       6000       0.32       400         CML0306-3N8       4       6000       0.40       350	CML	.0306-2N8		4		6000	0.25	500
CML0306-3N1       4       6000       0.30       450         CML0306-3N2       4       6000       0.30       450         CML0306-3N3       4       6000       0.30       450         CML0306-3N4       4       6000       0.30       450         CML0306-3N4       4       6000       0.32       450         CML0306-3N5       4       6000       0.32       450         CML0306-3N6       4       6000       0.32       450         CML0306-3N7       4       6000       0.32       400         CML0306-3N8       4       6000       0.40       350	CML	.0306-2N9		4		6000	0.25	500
CML0306-3N2       4       6000       0.30       450         CML0306-3N3       4       6000       0.30       450         CML0306-3N4       4       6000       0.32       450         CML0306-3N5       4       6000       0.32       450         CML0306-3N6       4       6000       0.32       450         CML0306-3N7       4       6000       0.32       400         CML0306-3N8       4       6000       0.40       350	CML	.0306-3N0		4		6000	0.30	450
CML0306-3N2       4       6000       0.30       450         CML0306-3N4       4       6000       0.32       450         CML0306-3N5       4       6000       0.32       450         CML0306-3N6       4       6000       0.32       450         CML0306-3N7       4       6000       0.32       400         CML0306-3N8       4       6000       0.40       350	CML	.0306-3N1		4		6000	0.30	450
CML0306-3N4       4       6000       0.32       450         CML0306-3N5       4       6000       0.32       450         CML0306-3N6       4       6000       0.32       400         CML0306-3N7       4       6000       0.40       400         CML0306-3N8       4       6000       0.40       350	CMI	.0306-3N2		4		6000	0.30	450
CML0306-3N5       4       6000       0.32       450         CML0306-3N6       4       6000       0.32       400         CML0306-3N7       4       6000       0.40       400         CML0306-3N8       4       6000       0.40       350	CML	.0306-3N3		4		6000	0.30	450
CML0306-3N6         4         6000         0.32         400           CML0306-3N7         4         6000         0.40         400           CML0306-3N8         4         6000         0.40         350	CMI	.0306-3N4		4		6000	0.32	450
CML0306-3N7         4         6000         0.40         400           CML0306-3N8         4         6000         0.40         350	CMI	.0306-3N5		4		6000	0.32	450
CML0306-3N8         4         6000         0.40         350	CMI	.0306-3N6		4		6000	0.32	400
	CMI	.0306-3N7		4		6000	0.40	400
CML0306-3N9 4 6000 0.40 350	CMI	.0306-3N8		4		6000	0.40	350
	CMI	.0306-3N9		4		6000	0.40	350

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CML0306-4N3		4		6000	0.40	300
CML0306-4N7		4		6000	0.45	280
CML0306-5N1		4		6000	0.50	270
CML0306-5N3		4		6000	0.55	260
CML0306-5N6	]	4		6000	0.55	260
CML0306-6N2		4		6000	0.60	250
CML0306-6N8	± 3%	4		5500	0.70	230
CML0306-7N5	± 5%	4	100	5000	1.10	180
CML0306-8N2	<u> </u>	4		5000	1.20	180
CML0306-9N1		4		4500	1.20	180
CML0306-10N	]	4		4500	1.30	180
CML0306-12N		4		3700	1.30	180
CML0306-15N	1	4		3700	1.50	180
CML0306-18N	1	4		3100	1.70	160
CML0306-22N		4		2800	2.55	120

#### • Operating Temperature Range

- 4-1 Operating Temperature Range : -40 to  $85^{\circ}$ C
- 4-2 Storage Temperature Range : -40 to 85°C

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Part Number	Inductance ( nH )				Q			
Part Number	500MHz	800MHz	1.8GHz	2.4GHz	500MHz	800MHz	1.8GHz	2.4GHz
CML0306-0N6	0.6	0.6	0.6	0.6	30min	50min	75min	77min
CML0306-0N7	0.7	0.7	0.7	0.7	30min	50min	70min	77min
CML0306-0N8	0.8	0.8	0.8	0.8	30min	50min	70min	77min
CML0306-0N9	0.9	0.9	0.9	0.9	30min	50min	70min	77min
CML0306-1N0	1.0	1.0	1.0	1.0	25	31	56	62
CML0306-1N2	1.2	1.2	1.2	1.2	25	31	55	60
CML0306-1N5	1.5	1.4	1.4	1.4	24	31	53	58
CML0306-1N8	1.8	1.8	1.8	1.8	24	31	51	58
CML0306-2N0	1.9	1.9	1.9	1.9	24	30	50	57
CML0306-2N2	2.1	2.1	2.1	2.1	23	29	49	56
CML0306-2N4	2.3	2.3	2.2	2.2	22	28	47	53
CML0306-2N7	2.7	2.6	2.6	2.6	21	28	45	47
CML0306-3N0	2.9	2.9	2.8	2.8	20	25	42	48
CML0306-3N3	3.1	3.1	3.1	3.1	18	23	37	41
CML0306-3N6	3.4	3.3	3.3	3.3	18	23	35	39
CML0306-3N9	3.7	3.7	3.7	3.7	20	25	39	44
CML0306-4N3	4.1	4.1	4.1	4.1	19	24	38	42
CML0306-4N7	4.5	4.5	4.5	4.7	17	22	33	36
CML0306-5N1	4.8	4.8	4.8	5.0	17	21	31	33
CML0306-5N3	5.2	5.2	5.4	5.7	17	22	31	32
CML0306-5N6	5.5	5.4	5.5	5.7	17	22	33	36
CML0306-6N2	5.9	5.9	6.0	6.2	17	21	31	33
CML0306-6N8	6.6	6.6	6.7	7.0	18	23	33	35
CML0306-8N2	7.9	7.9	8.2	8.8	15	19	24	23
CML0306-9N1	8.7	8.7	9.1	9.8	14	18	24	23
CML0306-10N	9.5	9.5	10.4	11.6	15	18	22	20
CML0306-12N	11.5	11.6	13.6	16.4	13	16	18	16
CML0306-15N	14.4	14.6	17.9		13	16	17	
CML0306-18N	18	18	24		13	15	15	
CML0306-22N	21.5	22.2			12	14		

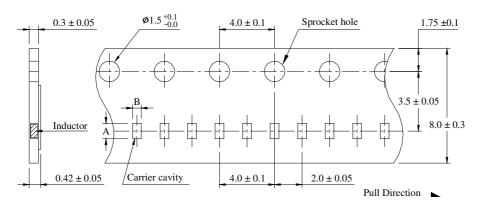
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### 5.Packaging

#### 5-1 Dimensions

5-1-1 Tape Packaging Dimensions



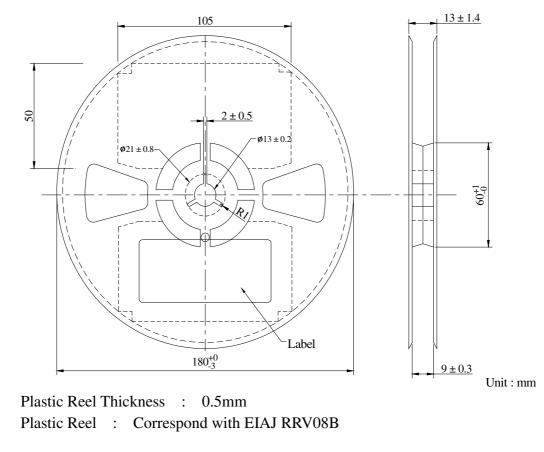
#### \* "Bottom less type" of tape is used.

\* Pre.emptied holes : 150 holes (or 30cm) or more

Code Letter	А	В	
Dimension	$0.70\pm0.03$	$0.43\pm0.03$	

Unit : mm

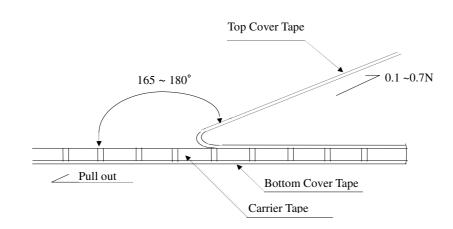
#### 5-1-2 Reel Dimensions



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5-2 Peel Strength of Top Cover TapeThe peel speed shall be about 300 mm/minuteThe peel strength of top cover tape shall be between 0.1 to 0.7N.



### 5-3 Quantity per Reel 10,000 pieces / reel

### 5-4 Label Marking

The following items shall be marked on the reel.

- (1) Manufactures parts number
- (2) Quantity
- (3) Manufacturing date code
- (4) Manufacturer's name
- (5) The country of origin
- (6) Shipping number
- (7) Identification showing lead-free products.

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#### 6. Precautions

- 6-1 Storage
  - The product shall be stored in a room where temperature and humidity must be controlled. (temperature: 5-35°C, humidity : 45-85% RH).

However, humidity keeps it low, as it is possible.

- (2) The product shall be stored as direct sunshine doesn't hit on it.
- (3) The product shall be stored with on moisture, dust, a material that will make solderability inferior, and a harmful gas (hydrogen chloride, sulfurous acid gas, and hydrogen sulfide).
- (4) The product shall be stored as tape packaging condition.
- 6-2 Term for use
  - (1) The term for use is within one year from the shipping day of the product.
  - (2) If the product has been left unused for more than one year after delivered, check solderability before use.

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### 6-3 Chip mounting

- (1) When chip are mounted on PC board, protective coat of the product must not be scratched. If it will be scratched, it will make characteristic inferior.
- (2) In case that product will be soldered by soldering iron, heating shall be done on the land, and soldering iron must not hit on the product itself.
- (3) In case that resin coating or resin seal will be made for a PC board after chip mounting, do washing and drying it enough before coating or sealing. If ion bear or moisture will be sealed in resin coating, it will make characteristic inferior.
- (4) For resinous use, it is necessary to set up enough the curing conditions. As it gets improper for the condition, changes of a resistance value are large and are a case.
- (5) According to shape, material, and pressure of clamping in chip mounting machine, there is the case that crack will be appeared on the product.
   Control a shock energy for clamping the product under 7 x 10<sup>-4</sup> J.
  - With a shock energy around clamping that says here, it is suited to a potential energy, in case that iron block of 25 g is dropped naturally to the product placed on iron plate for the height of 2.8mm.
- (6) The glue to fix the product on the PC board around chip mounting, it is needed high insulation resistance and great performance or moisture. And it is needed that these characteristics are not inferno in using temperature range and a hot spot temperature to be acting.

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