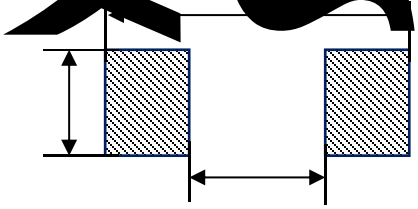
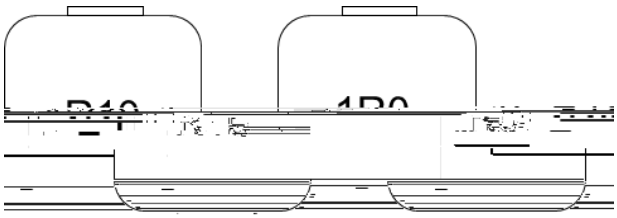
⊘ ” ’

in millimeters

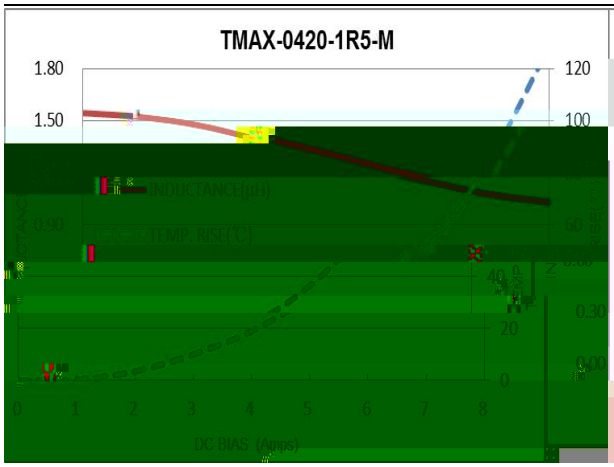


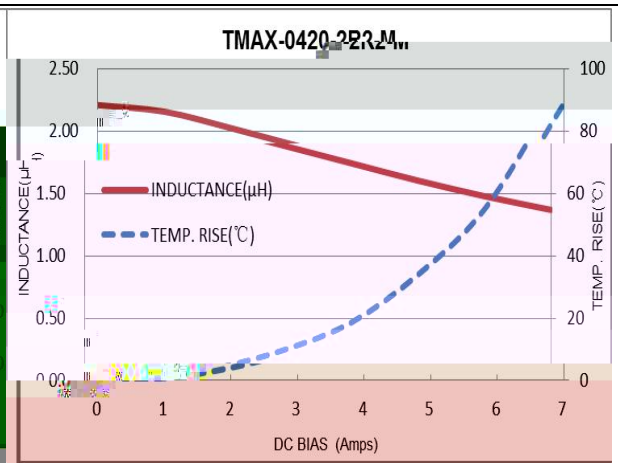
- The inductor is marked with a 3-digit code by ink.
- For example: 1R0→ 1.0μH, R10→ 0.1μH.

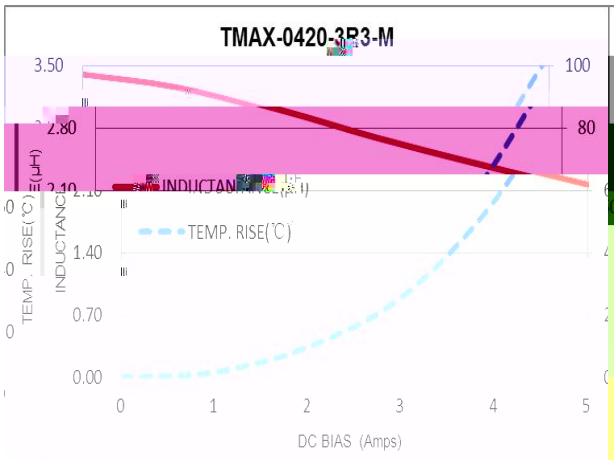


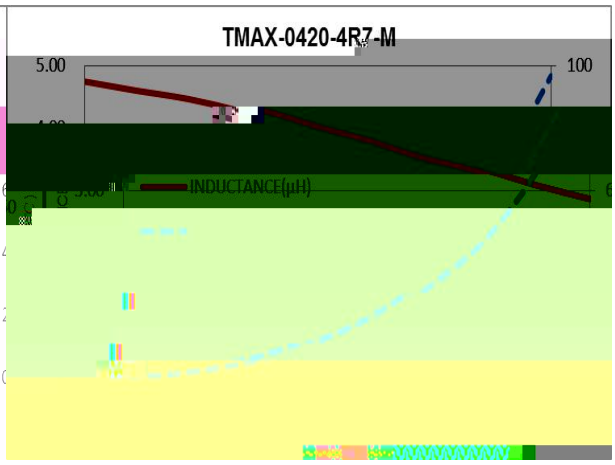
					Saturation Current	
					Isat (Amps.)	
	L_0(H)	Tolerance	Typ.	Max.	Typ.	Typ.
TMAX-0420-R10-M	0.1	±20%	3.1	4.0	25	12
TMAX-0420-R22-M	0.22	±20%	5.8	6.6	16	11
TMAX-0420-R47-M	0.47	±20%	12.5	14	9.5	7.5
TMAX-0420-1R0-M	1.0	±20%	20	26	7.0	5.0
TMAX-0420-1R5-M	1.5	±20%	38	46	6.0	5.0
TMAX-0420-2R2-M	2.2	±20%	45	58	5.0	4.5
TMAX-0420-3R3-M	3.3	±20%	76	87	4.0	3.2
TMAX-0420-4R7-M	4.7	±20%	92	105	3.0	3.0
TMAX-0420-6R8-M	6.8	±20%	125	150	2.8	2.5

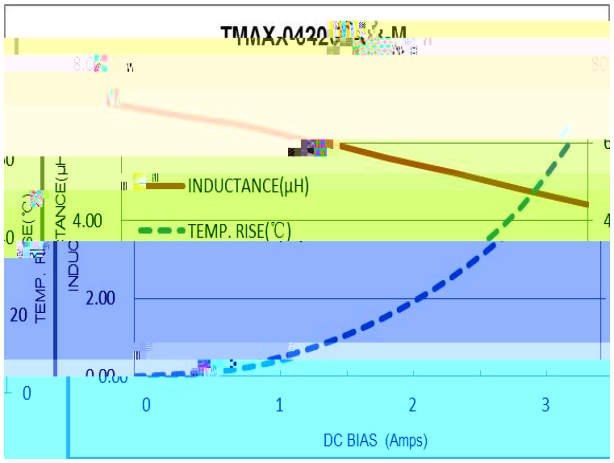
1. All test data is referenced to 23±3 °C and 45%RH to 70%RH ambient.
2. Test Instruments 3260B LCR Meter, 3265B Bias Current Sourcns os a


TMAX-0420-1R5-M
1.80
1.50
120
100
INDUCTANCE(μH)
TEMP. RISE(℃)
DC BIAS (Amps)


2.50
2.00
1.50
1.00
0.50
100
80
60
40
20
0
INDUCTANCE(μH)
TEMP. RISE(℃)
DC BIAS (Amps)

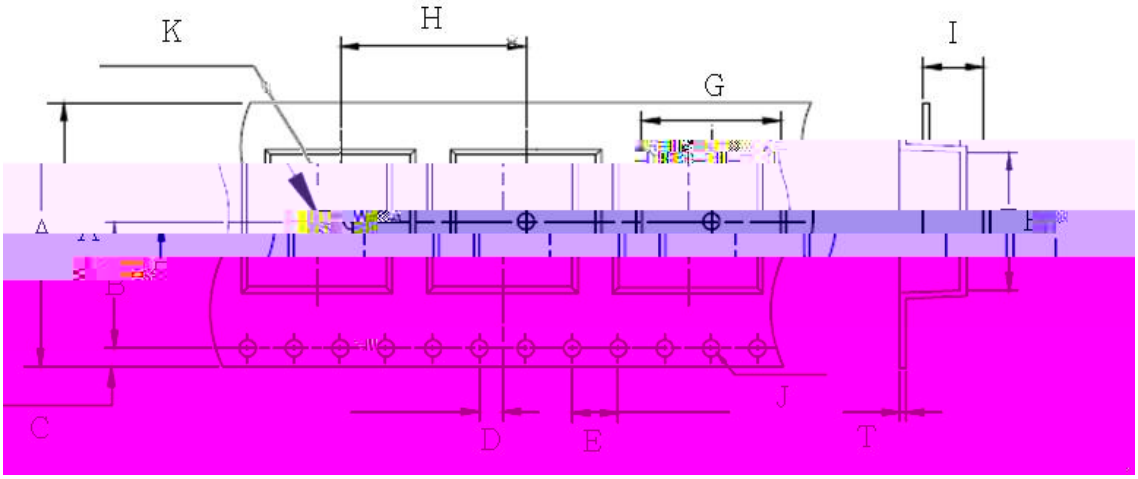

TMAX-0420-3R3-M
3.50
2.80
1.40
0.70
0.00
100
80
INDUCTANCE(μH)
TEMP. RISE(℃)
DC BIAS (Amps)


TMAX-0420-4R7-M
5.00
100
INDUCTANCE(μH)


4.00
2.00
INDUCTANCE(μH)
TEMP. RISE(℃)
DC BIAS (Amps)

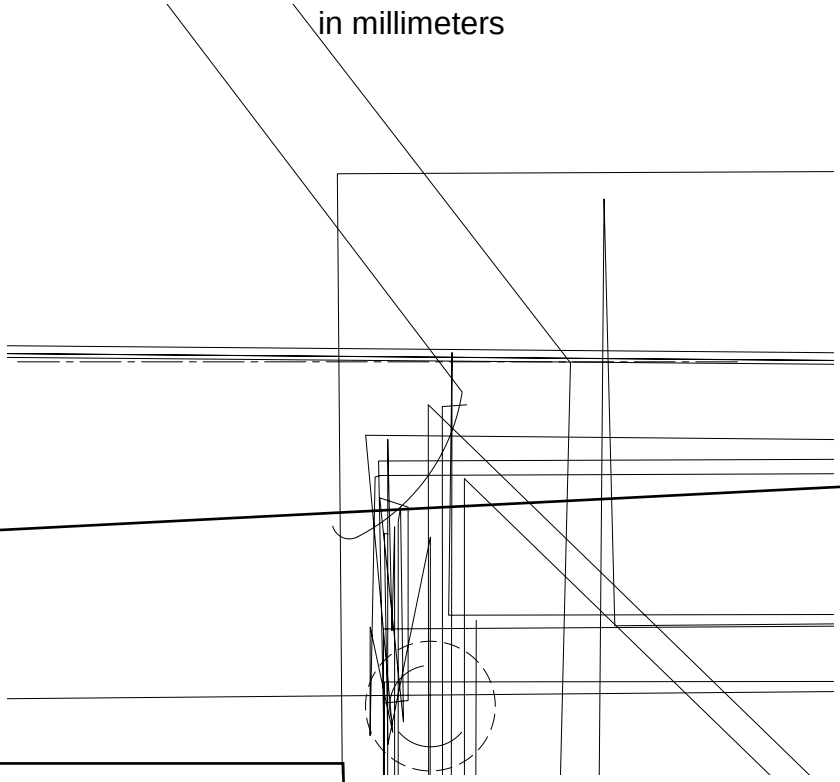
Solderability	Solder heat proof : 1.Preheating: 160 10°C for 90 seconds 2.Retention time: 245 5 for 2 0.5 seconds	The surface of terminal immersed shall be minimum of 95% covered with a new coating of solder.
Vibration	1.Vibration frequency: (10Hz to 55Hz to10Hz) in 60 seconds as a period 2.Vibration time: period cycled for 2 hours in each of 3 mutual perpendicular directions 3.Amplitude: 1.5mm max.	$\Delta L/L_0 \leq$ 5% No mechanical damage such as break.
Shock	1.Peak value: 100 G 2.Duration of pulse: 11ms 3.3 times in each positive and negative direction of 3 mutual perpendicular directions	

in millimeters



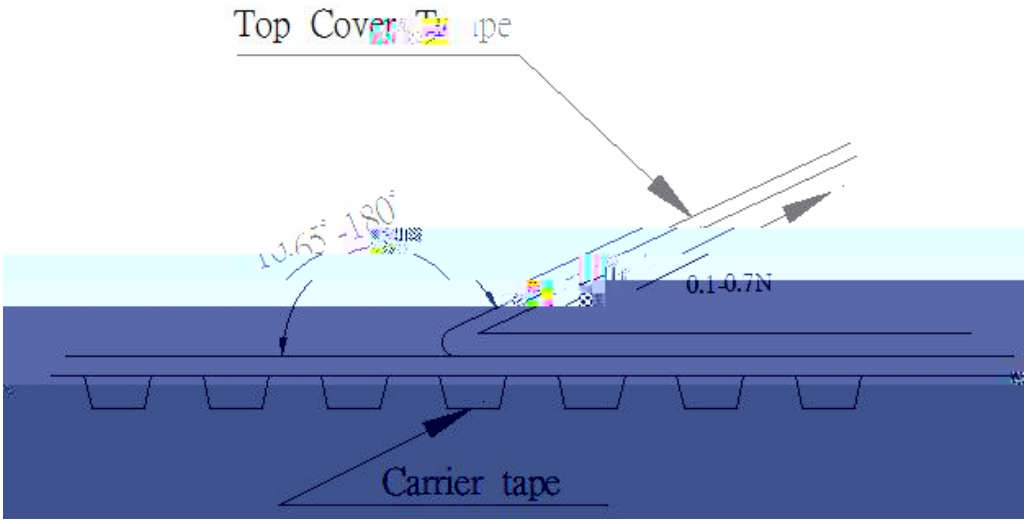
G	F	I	T	H	A
4.5 0.1	4.8 0.1	2.5 0.15	0.35 0.05	8.0 0.1	12 0.2
J	K	D	E	B	C
φ1.5 0.1	φ1.5 0.1	2.0 0.1	4.0 0.1	5.5 0.1	1.75 0.1

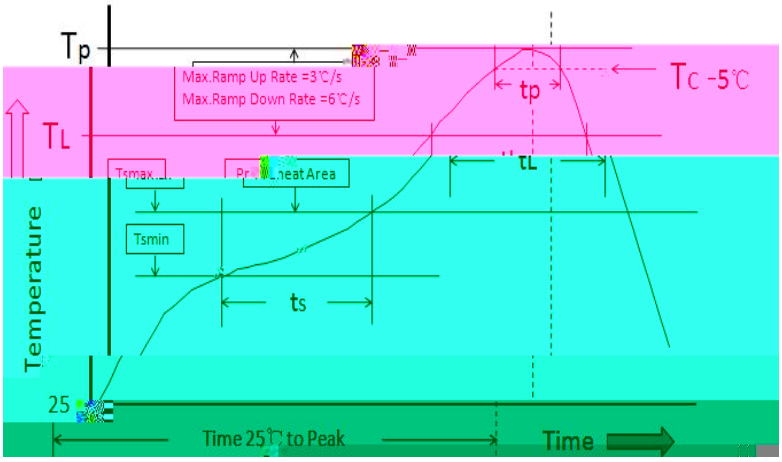
in millimeters



A	B	Color
12.5 0.2	2.0 0.2	Blue

- The peeling speed shall be about 300 mm/minute.
- The peeling force shall be between 0.1 to 0.7 N.





2.5mm	235	220
2.5mm	220	220

1.6mm	260	260	260
1.6-2.5mm	260	250	245
>2.5mm	250	245	245

	●Temperature min.(Tsmin)	100	150
Preheat and Soak	●Temperature max.(Tsmax)	150	200
	●Time(ts):Tsmin to Tsmax	60-120 Seconds	60-120 Seconds
Average ramp up rate TL to Tp		3 /Second Max.	3 /Second Max.
Liquidous temperature(TL)		183	183
Time at liquidous (tL)		60-150 Seconds	60-150 Seconds
Peak package body temperature(Tp)*		Table 1Tp	