

Coilmaster



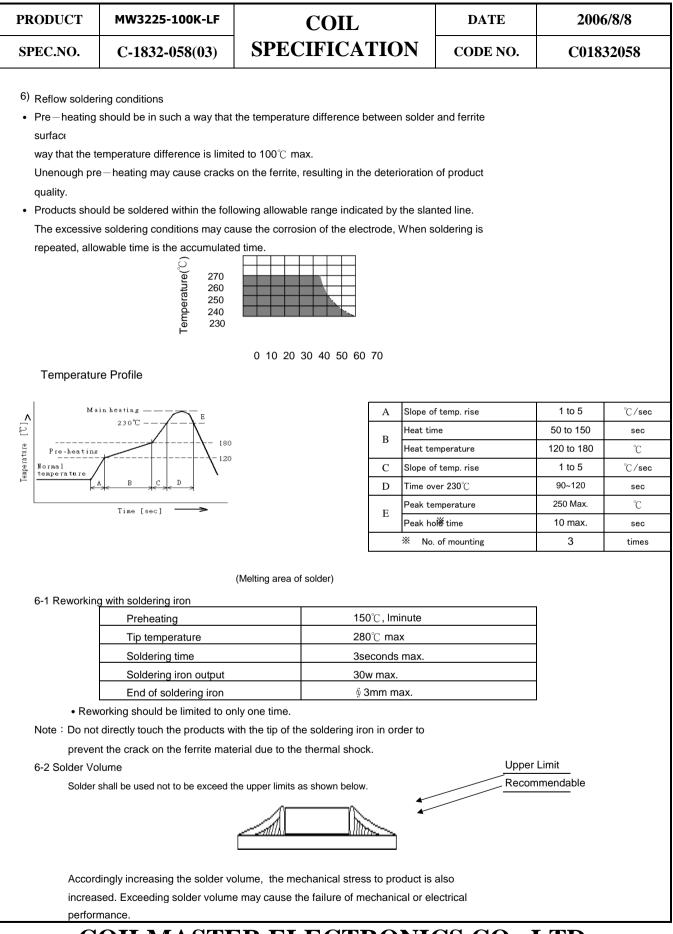
SPECIFICATION APPROVAL

CUSTOMER :	Ivent				
PRODUCT :	MW3225-100K-LF				
	Pb-free				
CODE NO. :	C01832058				
CUS. CODE :					
SPEC.NO. :	C-1832-058(03)				
DATE :	8-Aug-06				
CUST	OMER APPROVAL				
Coilmaster Elec	tronics Co., Ltd.				
3F ,NO.211 HUAN B	3F ,NO.211 HUAN BEI ROAD, CHUNG-LI DISTRICT				

TAOYUAN CITY, TAIWAN. TEL: (886)34228279 FAX: (886)34525688

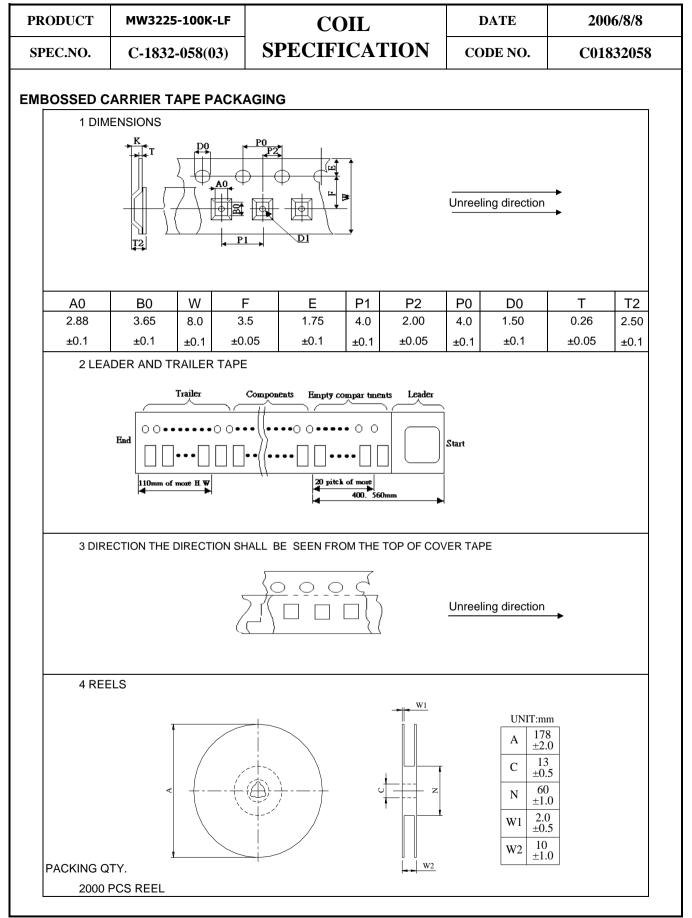
PREPARED BY	APPROVED BY	AUTHORIZED BY
JEAN	ΤΟΝΥ	MASCOT

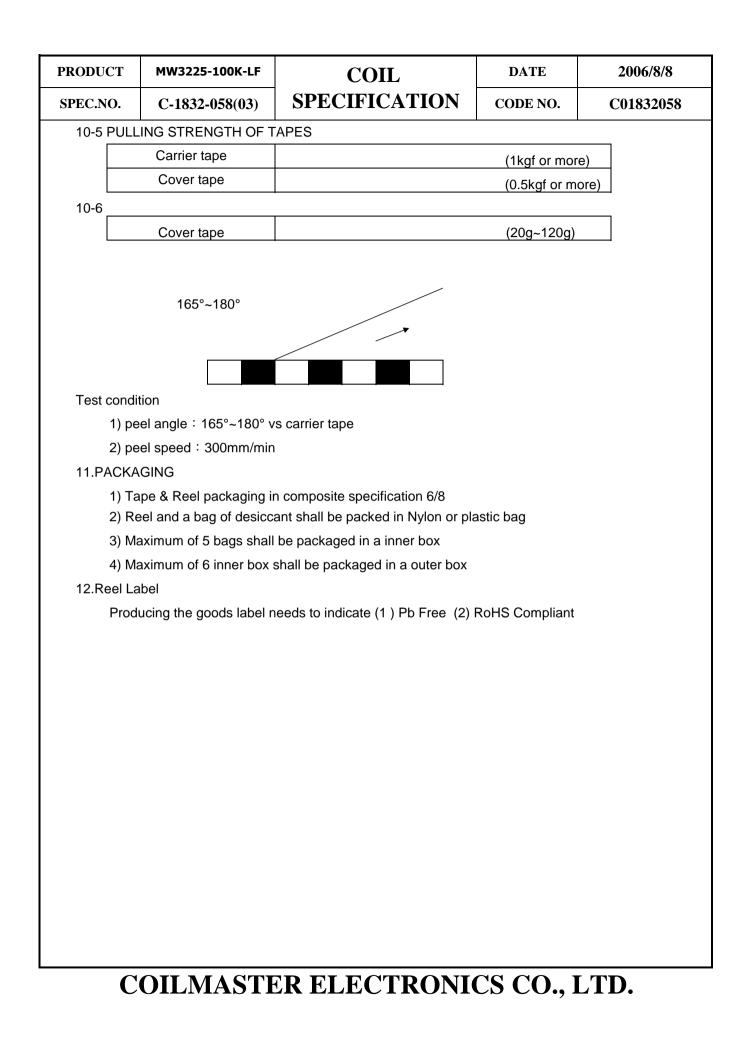
PRODUCT	MW3225-100K-LF	COIL	DATE	2006/8/8
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ſ			B : C : D :	3.2±0.4 m/m 2.5±0.2 m/m 1.9 Ref. m/m 2.2±0.2 m/m 0.2 Min. m/m
LECTRICAL L(μH	CHARACTERISTIC : () :	10±10% 2.	52MHz	
DC 1	RESISTANCE(Ω) :	2.1 M	lax.	
RAT	ED CURRENT (A) :	0.15 M	lax.	
			r.	
Q :		30 M	lin.	
-	(MHz) :		lin. Iin.	
SRF((MHz) : ating Temperature Range	23 M		
SRF(Oper STANDARD A Unle maki Amb Relat If the	ating Temperature Range ATMOSPHERIC COND ss otherwise specified the ng measurements and test ient temperature : 20 ± 15 ° tive humidity : $65\pm20\%$ ere may be any doubt on th	$23 \qquad M$: $-40^{\circ}C \text{ to } +105^{\circ}C$ ITIONS standard range of atmospheric cons is as follows:	lin. ditions for	
SRF(Oper STANDARD A Unle maki Amb Relat If the the fe	ating Temperature Range ATMOSPHERIC COND ss otherwise specified the ng measurements and test ient temperature : $20\pm15\%$ tive humidity : $65\pm20\%$ ere may be any doubt on the pollowing limits :	$23 \qquad M$ $: -40^{\circ}C \text{ to } +105^{\circ}C$ ITIONS standard range of atmospheric consists as follows: C the results, measurements shall be m	lin. ditions for	
SRF(Oper STANDARD A Unle maki Amb Relat If the the fo Amb	ating Temperature Range ATMOSPHERIC COND ss otherwise specified the ng measurements and test ient temperature : 20 ± 15 ° tive humidity : $65\pm20\%$ ere may be any doubt on th	23 M : $-40^{\circ}\text{C} \text{ to } +105^{\circ}\text{C}$ ITIONS standard range of atmospheric consists as follows:	lin. ditions for	



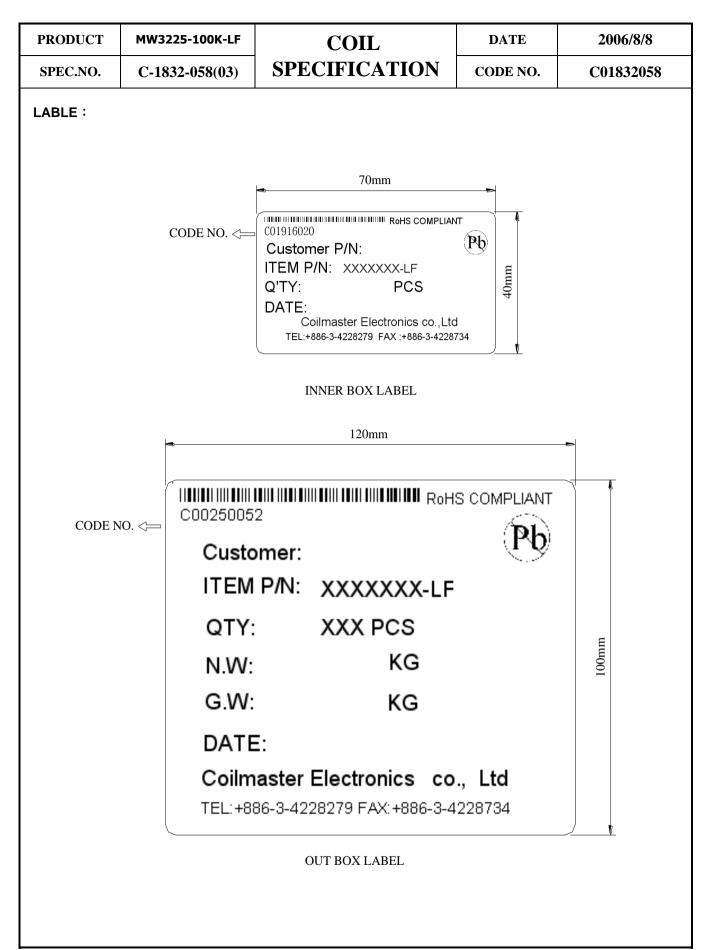
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7 EQUI	PMENT				
7-1 IN	IPEDANCE				
	Impedance shall be m	neasured with HP-428	36A impedai	nce	
	analyzer or equivalen	t system			
7-2 D	C RESISTANCE				
	DC resistance shall b	e measured using HP	4338 digital	mili – ohm	
	meter with 4 terminal				
8.MECHAN		STICS			
ITEM	•	pecification		TEST CONDITIC	DNS
TERMINA					
STRENG		ferrite	I		
	damage				►W(Kgf)
		CIFICATION≧0.3W(Kgf)			
Substrate			After solderir	ng a chip to a test su	bstrate,
bending to				strate by 3mm hold	for 10s
	DC resistance sha	ll be satisfied.	and then retu		
				all be done in accord	
				mmended PC board	pattern
			and reflow so	oldering.	
			unit : mm		
RESISTANC			Solder Temp.	: 265±3 °C	:
TO SOLDER	Electrical characteris characteristics shall	stics and mechanical be satisfied.	Immersion tim	e : 6±1 sec	
HEAT			Preheating : 1	00℃ to 150℃, 1 minu	ite.
			Measurement for 24±2 hrs.	to be made after keep	ping at room temp
			Solder : Sn-3A	Ag-0.5Cu	
SOLDER		e of all	Solder temp.		
ABILITY	metabolised area		Immersion tir		
			Solder : Sn-3	BAg-0.5Cu	

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9. RELIABI	LITY AND TEST CONDIT	IONS		
9-1 HI	GH TEMPERATURE RES	ISTANCE		
	a. Performance specificat	tion		
	1.Appearance : no mecha	anical damage		
	2.Impedance shall be with	n ±30% of the initial value		
	3. DC resistance shall be	satisfied		
	b.Test condition			
	1.Temperature125℃±2℃			
	2.Applied current : Rated	current(maximum value)		
	3.Testing time : 96±4hrs			
		acing at room ambient temperature for 1	hours minimum	
9-2 Hl	JMIDITY RESISTANCE			
	a.Performance specification			
	1.Appearance : no mecha	-		
	2.Impedance:within ±30%			
	3.DC resistance shall be	Satisfied		
	b.Test condition			
	1.Humidity : 90 to 95% R	H		
	2.Temperature : 60±2℃			
		current (maximum value)		
	4.Testing tine : 500±4hou			
		acing at room ambient temperature for 1	hours minimum	
9-3 TE	EMPERATURE CYCLE			
	a.Performance specification			
	1.Appearance : no mecha 2.Impedance:within ±30%	_		
	3. DC resistance shall be			
		Salisheu		
	b.Test condition	F° kent stabilized for 20 minutes each		
	2.Cycle : 100 cycles	5° C kept stabilized for 30 minutes each		
		acing for 1 hours minimum at room amb	ient temperature	
	4. step155°C temp±3°C	-		
		nospheric conditions 5s or less		
	-	$p \pm 2^{\circ} C$ 30±3 minutes		
		nospheric conditions 5s or less		
9-410	W TEMPERATURE STO	-		
	a.Performance specification			
	1.Appearance : no mecha			
	2.Impedance shall be with			
	3. DC resistance shall be			
	b.Test condition			
	1.Temperature -55°C ±2°C			
	2.Testing time : 1008±12			
	-	acing for 24 hours minimum at room am	bient temperature	





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12. STOR	AGE			
12-1	The solderability of	the external electrode may be		
	deteriorated if pack	ages are stored where they ar	e	
	exposed to high hu	midity. Packages must be stor	ed	
	at 40 $^\circ\!\mathrm{C}$ or less and	70% RH or less.		
12-2	2 The solderability of	the external electrode may be	;	
	deteriorated if pack	ages are stored where they ar	e	
	exposed to dust or	harmful gas (hydrogen chlorid	e,	
	sulfurous acid gas o	or hydrogen sulfide).		
12-3	B Packaging material	may be deformed if packages	s are	
	stored where they a	are exposed to heat or direct s	un-	
	light.			
12-4		s, such as polyvinyl heat – sea		
	-	I until just before they are used	d.	
		eels as soon as possible.		
12-5		ed in composite specification		
		he date of delivery on conditio		
	they are stored at the	ne environment specified claus	se	
	12-1 & 12-2.			
	For those parts whi	ch passed more than 6 month	s shall	
	be checked soldera	bility before it is used.		



SPEC.NO. C-1832-058(03) SPECIFICATION CODE NO. C01832055 Code No.	PRODUCT	MW3225-100K-LF	COIL	DATE	2006/8/8
 I. All of the components are manufactured, designed, and promoted for applying in general electronics devices, for the specific area such as automotive, medical, military and aerospace except for general electronic devices, Colimaster must be asked for written approval before incorporating the components into these areas. 2. The components that will be used in high-reliability / high level of safety applications should be pre-evaluated by the end customer. Especially in customer applications in which the matfunction or failure of an electronic component could endanger human life or health. The customer applications in which the matfunction or failure of an electronic component could endanger human life or health. The customer must be cautioned to verify that data sheets are the updated ones before placing orders. In the individual cases, any trouble or failure of electronic components happens during their long span cannot be eliminated even tollow the instruction with existing technology. 4. Washing / Cleaning process may jeopardize the product and cause the defect. Washing agents may harm the long-term functionality of the product 5. The storage period should not be longer than 12 months (In the specific storage environment). The oxidization may happen on the terminals. Hence all the products shall be used within 12 months after the shipping date. If the time is over 12 months, please check the solderability before use it. 8. Don't bend the terminals or subject them to excessive stress. 9. Please ensure that all terminals and case lugs are completely fixed with solder onto PCB 10. Ensure the tuning slug or cap is not fixed by solder flux during the production process. 11. Avoid placing coils near the edge of the PCB 12. Don't louch any exposed winding part and avoid coming into contact with the guide of the electrode in automatic mounting 13. The inductor / coil / common mode c	SPEC.NO.	C-1832-058(03)	SPECIFICATION	CODE NO.	C01832058
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17. If have any query, please feel free to contact our sales department.	16. The general testing co	ondition is in the room temperature	25 +/- 5°C and humidity under 65% RH, which is app	lied to all products.	
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