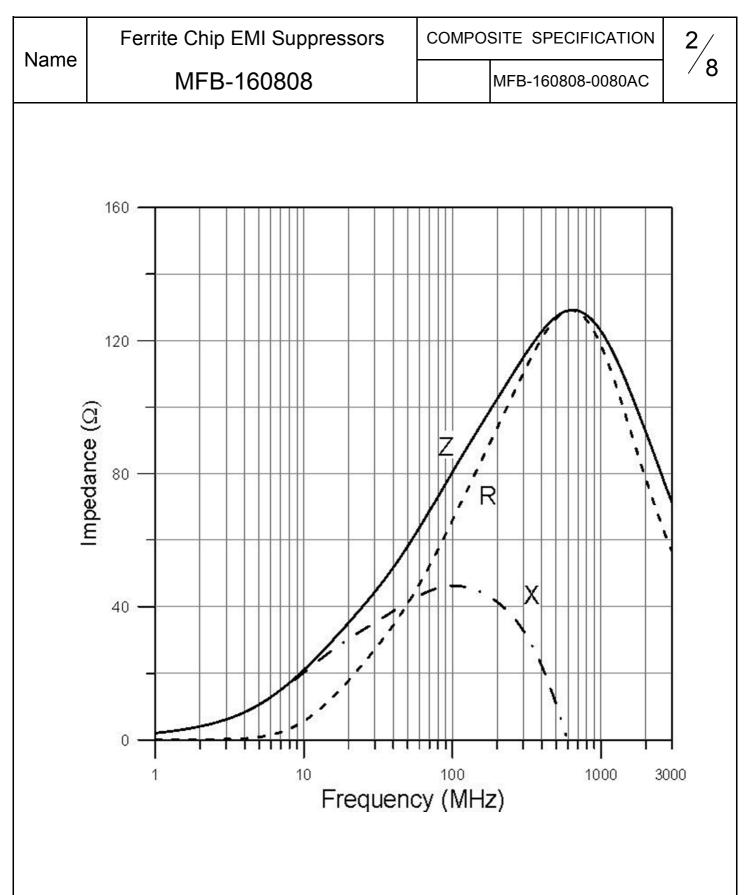
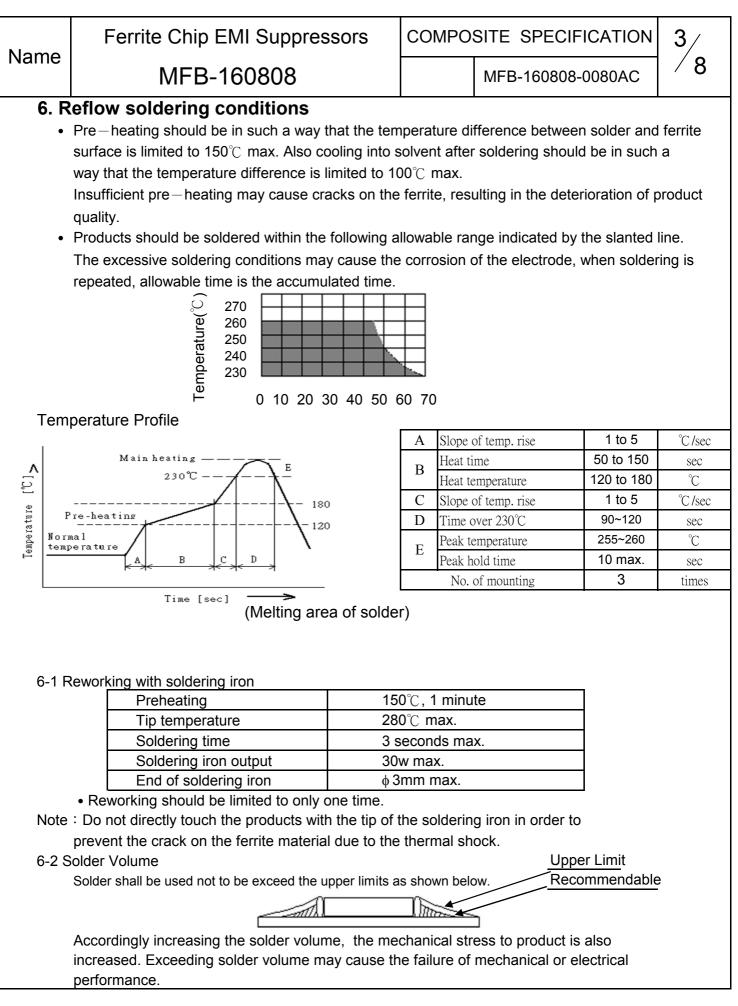
Nomo	Ferrite Chip I	EMI Suppre	essors	COMPO	DSITE SPE	CIFICATIO	N	1/
Name	MFB-160808			MFB-160	0808-0080AC		8 \	
	1. Scope							
	This specification	n applies to the	MFB-1608	3 series Fe	errite Chip	EMI suppre	essor	5.
	This specification applies to the MFB-1608 series Ferrite Chip EMI suppressors. 2. Standard and Atmospheric Conditions Unless otherwise specified the standard range of atmospheric conditions for							
	making measurer	ments and test	s is as follo	WS:				
	Ambient temperature : 20±15°C							
Relative humidity : 30~70%								
	If there may be a	ny doubt on the	e results, m	easureme	nts shall be	e made with	nin	
	the following limit	s:						
	Ambient tempera	ture : 25±5 ℃						
	Relative humidity	: 30~70%						
	3. Ratings							
						*		
	PART NO	IMPEDANCE (Ω)				RATED CURRENT		
		AT100 MHz 500mV		(Ω) Max		(mA) Max		
	FB-160808-0080AC	80±25		0.15		40		
	e maximum rated cu				emperature	e increased	40 °(2
a	fter thru DC current 2	2 hours at amb	ient temper	ature.				
	4. Dimensions						405%	-
W OPERATING TEMP. RANGE : -55°C ~ +125°C STORAGE TEMP. RANGE : -40°C ~ +85°C								
		unit:	TYPE		W	T	A	
	↓	mm		 1.6±0.15	0.8±0.15	0.8±0.15	0.2~	
	- Arter and a second	(inch)	MFB-1608		(0.031±0.006)		(0.008~	
	A							

5. The Place of Origin :

Taichung, Taiwan

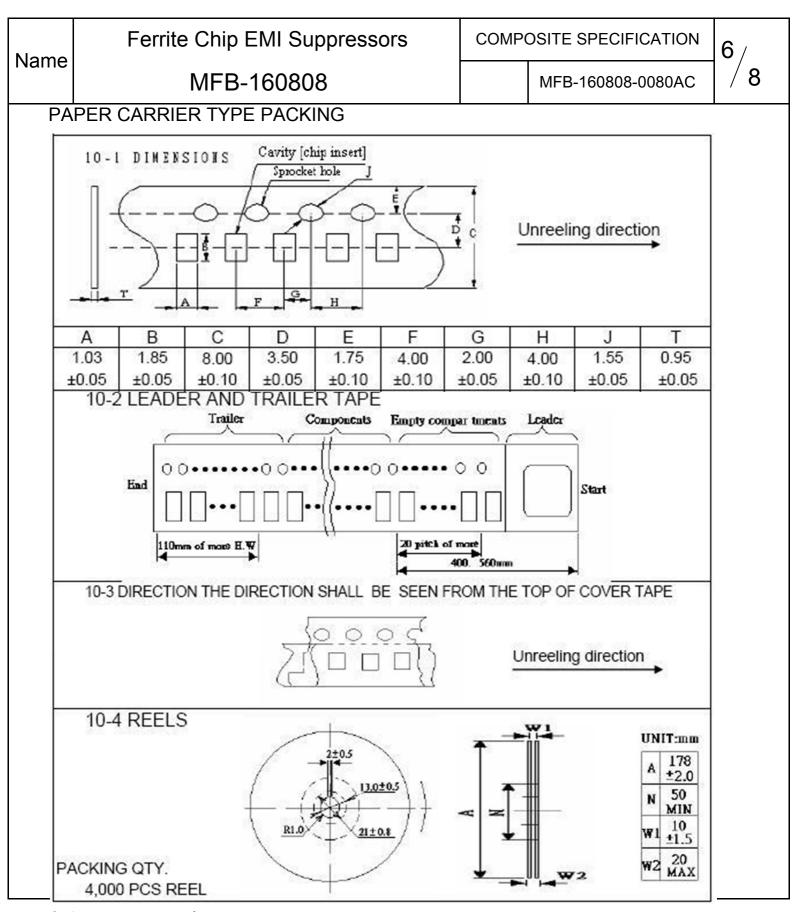
PLANNED BY	CHECKED BY	APPROVED BY
LUN	TINA	Chi Chi Huang

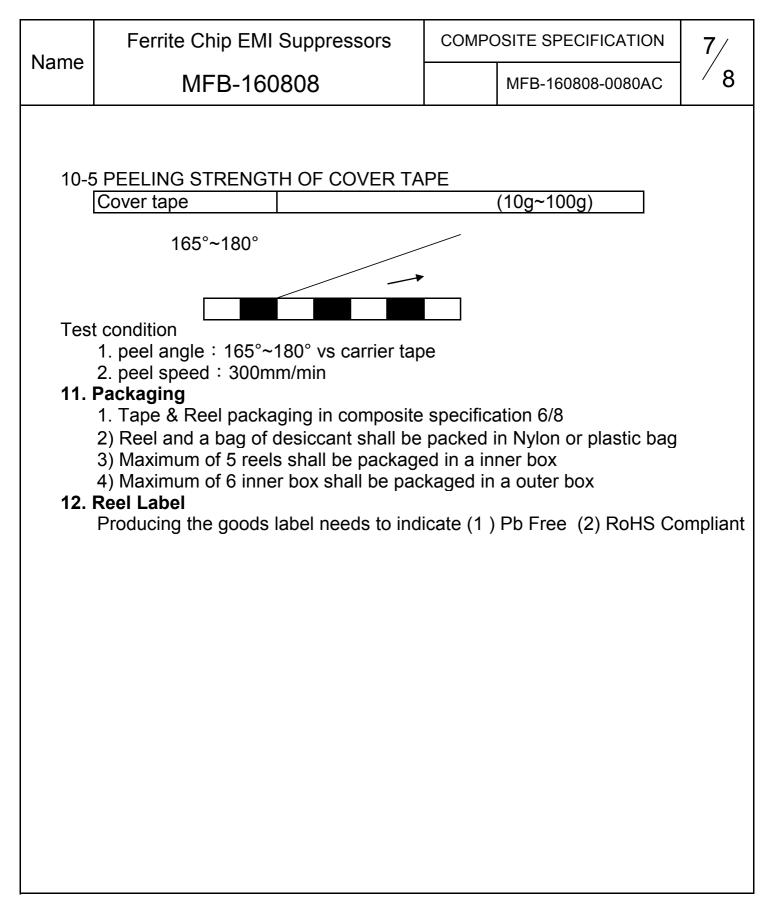




lamo	Ferrite Chip EMI Suppressors MFB-160808		COMPOSITE SPECIFICATION				
lame			MFB-160808-0080AC	8			
 7. Equipment 7-1 IMPEDANCE Impedance shall be measured with HP-4286A impedance analyzer or equivalent system 7-2 DC RESISTANCE DC resistance shall be measured using HP 4338 digital mili-ohm meter with 4 terminal method. 8. Mechanical Characteristics 							
	TEM	Specification	Test Conditions				
Terminal StrengthTerminal strength does n the case shall meet SF resistance specificatSubstrate 		Terminal strength does not distort the case shall meet SPEC DC resistance specifications.	Ort Solder chip on PCB and applied 10N (1.02Kgf) for 10 sec CHIP Image: Constraint of the sec CHIP Image: Constraint of the sec F OC After soldering a chip to a test substrate, bend the substrate by 3mm hold for 10s and then return. Soldering shall be done in accordance with the recommended PC board pattern and reflow soldering. Image: Image				
		SPEC substrate bending test DC resistance shall meet specifications.					
		Electrical characteristics and mechanical characteristics shall be satisfied. Consult standard MIL-STD-202					
Solo	derability	95% min. coverage of all metabolised area Consult standard J-STD-002	Solder temp. : 240±5℃ Immersion time : 3±1 sec Solder : Sn-3Ag-0.5Cu				

Nome	Ferrite Chip EMI Suppressors	COMP	5/		
Name	MFB-160808		MFB-160808-0080AC	8 / 8	
9. RELIABILITY AND TEST CONDITIONS 9-1 HIGH TEMPERATURE RESISTANCE a. Performance specification 1.Appearance : no mechanical damage 2. Impedance shall be with ±30% of the initial value b.Test condition 1.Temperature: 125℃ ±2℃ 2.Testing time : 1000±12hrs 3.Measurement : After placing at room ambient temperature for 24 hours minimum 9-2 Biased Humidity RESISTANCE a.Performance specification 1.Appearance : no mechanical damage 2. Impedance shall be with ±30% of the initial value b.Test condition 1.Humidity RESISTANCE a.Performance specification 1.Appearance : no mechanical damage 2. Impedance shall be with ±30% of the initial value b.Test condition 1.Humidity RESISTANCE a.Performance specification 1.Appearance : no mechanical damage 2. Impedance shall be with ±30% of the initial value b.Test condition 1.Humidity RESISTANCE a.Performance specification 1.Appearance : no mechanical damage 2. Impedance shall be with ±30% of the initial value b.Test condition 1.Humidity: 85 ± 5%RH 2.Temperature: 65℃ ±5℃ kept stabilized for 30 minutes each 2. Impedance shall be with ±30% of the initial value b.Test condition 1.Low Temperature: 15℃ ±5℃ kept stabilized for 30 minutes each 2. High Temperature: 15℃ ±5℃ kept stabilized for 30 minutes each 2. Cycle : 1000 cycles 3.Measurement : After placing for 24hours minimum at room ambient temperature 4. step155℃ tempt5℃ 30:3 minutes step3.+125℃ tempt5℃ 30:3 minutes step3. end; temperature 20:5 minutes step3. end; tempera					
	 4.Velocity change : 12.3 ft/sec 5. Direction : X , Y , Z (3axes/3 times) 9-6 Operational Life a. Performance specification 				
	 Appearance : no mechanical damage Impedance shall be with ±30% of the initial b.Test condition 	value			
	1.Temperature: 125℃ ±2℃ 2.Testing time:1000±12hrs 3.Measurement:After placing at room ambient to	emperature f	for 24 hours minimum		
	9-7 Electrostatic discharge test a. Performance specification 1.Appearance : no mechanical damage				
	 2. Impedance shall be with ±30% of the initial b.Test condition 1.ESD voltage: 15k volts 2. Mode 1:150 pE/330 Ohm 	value			
	2.Mode 1:150 pF/330 Ohm 3.Mode 2:150 pF/2000 Ohm REMARK reliability test customers if there are special requirements	s in accorder	ace with customer needs		





	Ferrite Chip EMI Suppressors		COMPOSITE SPECIFICATION		8 /			
NAME	MFB-160808	S	PEC#	MFB-160808-0080AC	/ 8			
13.	13. Storage							
	 13-1The solderability of the external electrode may be deteriorated if packages are stored where they are exposed to high humidity. Packages must be stored at 40°C or less and 70% RH or less. 13-2 The solderability of the external electrode may be deteriorated if packages are stored where they are exposed to dust or harmful gas (hydrogen chloride, sulfurous acid gas or hydrogen sulfide). 13-3 Packaging material may be deformed if packages are stored where they are estored where they are exposed to heat or direct sun—light. 13-4 Minimum packages, such as polyvinyl heat—seal packages shall not be opened until just before they are used. If opened, use the reels as soon as possible. 13-5 Solderability specified in composite specification 4/8 shall be 							
	for 6 months from the date of delivery on they are stored at the environment specifi 13-1 & 13-2. For those parts which passed more than be checked solderability before it is used.	ied 6 m	clause					
14. Quality System								
	 ■ ISO/TS16949 ■ IECQ QC 080000 							