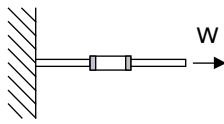
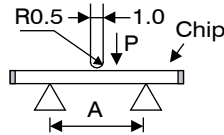


■ PERFORMANCE TESTS

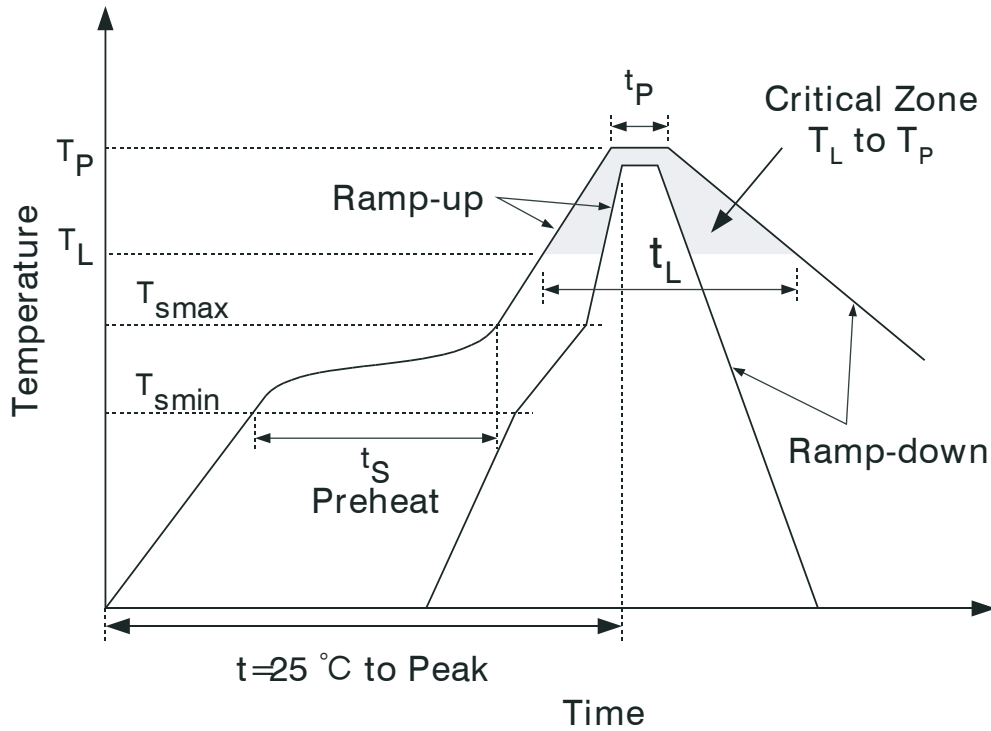
TEST	SPECIFICATION	TEST CONDITION		
Solderability	* More than 90% of the terminal electrode shall be covered with fresh solder.	Solder: Sn-3.0Ag-0.5Cu Solder Temperature: 245 ± 5°C Flux: Resin Dip Time: 3 ± 1 Seconds		
Soldering Heat Resistance	* The chip shall not crack. * More than 75% of the terminal electrode shall be covered with solder.	Solder Temperature: 260 ± 5°C Flux: Resin Dip Time: 10 ± 1 Seconds		
Terminal Strength	* The terminal electrode shall not be broken off nor the ferrite damaged. 	TYPE	W(KGF)	Time(sec)
		GMPI-160808	0.6	30 ± 5
GMPI-201209	0.6			
Bending Strength	* No mechanical damage. The ferrite shall not be damaged. 	TYPE	A(mm)	KGF
		GMPI-160808	1.0	0.6
GMPI-201209	1.0	1.0		

■ CLIMATIC TESTS

TEST	SPECIFICATION	TEST CONDITION
Thermal Shock (Temperature Cycle)	* No mechanical damage. * Inductance shall be within ± 5% of the initial value, and Q (shall be) within ± 30% of the initial value.	* Temperature: -40°C, 85°C for 30 minutes each, * 100 cycles.
Humidity Resistance		* Temperature: 40°C * Humidity: 95% RH * Time: 1000 ± 12 hours
High Temperature Resistance		* Temperature: 85°C ± 2°C * Time: 1000 ± 12 hours
Low Temperature Resistance		* Temperature: -40°C ± 2°C * Time: 1000 ± 12 hours

NOTE: Operating Temperature Range: -55°C ~ +125°C

Storage Condition: The temperature should be within -40°C ~ 85°C and humidity should be less than 75%RH. The product should be used within 6 months from the time of delivery.



Profile Feature		SnPb	Pb-Free
Preheat	t_s	60~120 seconds	60~180 seconds
	T_{smin}	100°C	150°C
	T_{smax}	150°C	200°C
Average ramp-up rate (T_{smax} to T_P)		3°C/second max.	3°C/second max.
Time main above	Temperature (T_L)	183°C	217°C
	Time (t_L)	60~150 seconds	60~150 seconds
Peak temperature (T_P)		230°C	250~260°C
Time within 5°C of actual peak temperature (t_P)		10 seconds	10 seconds
Ramp-down rate		6°C/sec max.	6°C/sec max.
Time 25°C to peak temperature		6 minutes max.	8 minutes max.

NOTE:

The contents of this data sheet are subject to change without notice. Please confirm the specifications and delivery conditions when placing your order.