

한글 규격서

Commodity Description

<u>품목번호</u> Item No.	<u>품명 및 규격서</u> Description	<u>단위</u> Unit	<u>수량</u> Q'ty
1	자동차용 고출력 LED 모듈 가속스트레스 제어시스템	SET	1

A. 일반 소개

이 시스템은 차량용 고출력 LED 패키지, 모듈에 대해 USCAR 33 및 IEC 60810 기준에 맞게 액상에서 열충격시험을 할 수 있는 장비이다.

B. 기술 사양

1. 열충격 시험

System			Two-liquid bath system with specimen basket transfer
Brine			Single-liquid or double-liquid fluorine deactivated brine
Parameter	Test area	High bath temp. range	+70 ~ +200℃
		Cold bath temp. range	-65 ~ 0℃
		Temp. fluctuation	±2.0℃
	Hot bath	Temp. heat-up time	Ambient to +150℃ within 90 min.
		Temp. pull-down time	+150℃ to +60℃ within 100 min.
	Cold bath	Temp. heat-up time	-65℃ to 0℃ within 65 min.
		Temp. pull-down time	Ambient temp. to -65℃ within 90 min.
	Test performance	Hot bath liquid temp.	+150℃ (Galden DO2-TS)
		Cold bath liquid temp.	-65℃ (Galden DO2-TS)
		Exposure time	High and low temp. 5 min. each
		Number of cycles	15 cycles

		Specimen	Plastic molded ICs 2.0kg
		Specimen transfer time	Within 10 sec.
Construction	Exterior material		Painted steel
	Interior material		Stainless steel plate
	Insulation		Glass wool / foamed polyurethane
	Drive unit for specimen transfer		Horizontal and vertical drive system
	Heater		Sheathed heater
	Cooler		Cooling-pipe coil
	Refrigeration Unit	System	Mechanical cascade refrigeration system (air cooled condenser)
		Compressor	Rotary compressor
		Refrigerant	Non CFC refrigerant
	Components		Liquid-level indicator
			Chamber lamp
Adjuster			
Specimen transfer area door for brine			
Data logging			Digital recorder(supported USB 2.0)
Specimen basket load capacity			Over 2Kg
Test area loading capacity(Basket)			Over 4.5L
Specimen basket dimension			Over W150 x H150 x D200mm
Inside bath dimension			Over W290 x H350 x D520mm(over 50L)
Outside Dimension			Under W1200 x H1800 x D1400mm
Weight			Under 800Kg
Instrumentation	Display		Over 6.5-inches color touch screen
	Test pattern		Over 40 patterns Up to 9,999 cycles
	Time-set range		1 sec. to 99 min. 59 sec.
	Language		English
Test standard			MIL-STD-883E(method no. 1011.9)A, B, C MIL-STD-202G(method no. 107G)A, B, C JIS C 0025
Safety device			Leakage breaker

	Circuit breaker for wiring
	Hot and cold bath overheat/overcool protector (switch and controller each)
	Test area overheat/overcool protector (controller)
	Compressor thermal relay
	Electric parts compartment door switch
	Refrigerator high/low pressure switches
	Motor reverse prevention relay
	Compressor temperature switch
	Specimen transfer area door switch
	Hot and cold bath agitator temperature switch
	Hot and cold bath boil-dry protector
	Drive unit transfer time
	Low liquid level alarm
	Locking mechanism for specimen transfer area door
	Buzzer (Alarm)
	Fuse
Power Supply	220 AC 3Φ 60Hz under 50A
Maximum noise level	65dB 이하
Specimen thermocouple	1 EA
Specimen basket cover	1 set
Caster and stopper	4 EA

2-3. Remarks(비고)

1. 보증기간 : 설치 검수 후 3년
2. 매뉴얼 3부(영문 또는 국문)
3. 공인시험 및 교정기관의 Certificate를 제출
4. 제품공급자에 의한 설치 및 교육 실시
5. 납기는 계약일로부터 16주 이내 이어야 한다.