

7V 1.7W Amorphous Solar Panel

Jun 4, 2015

Item No.: ASI225

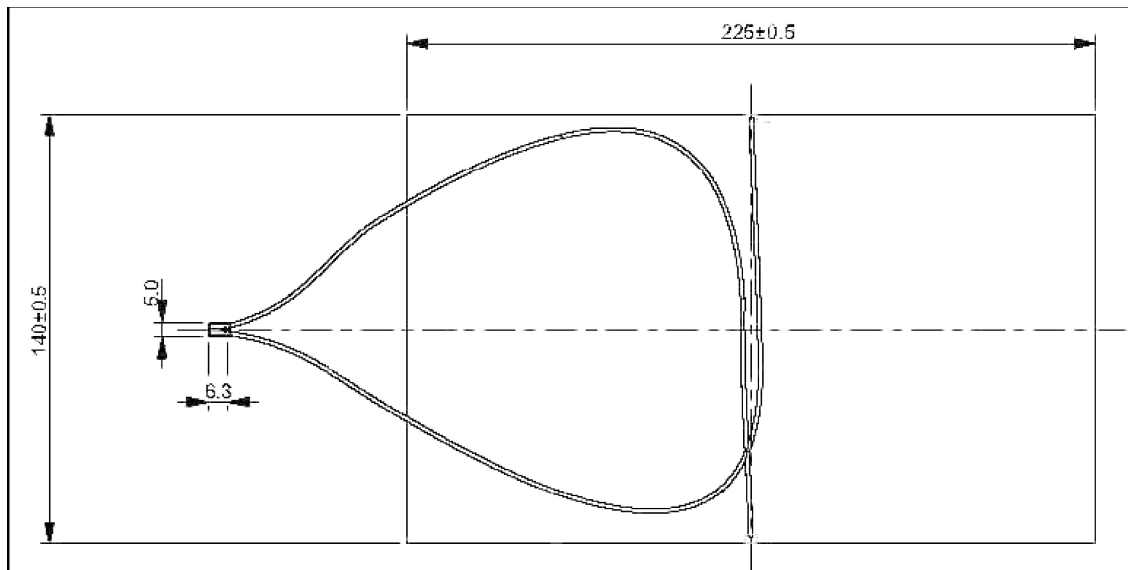
Typical Electrical Characteristics

Solar Cells	Amorphous Silicon Solar Cell
Max Power Output	1.7W
Vmp	7V
Imp	242.8mA
Voc	10V
Isc	267mA
STC Conditions	1000W/M ² , 1.5AM and Cell Temperature 25°C
Operating Temperature	-20°C to +85°C
Storage Temperature	-5°C to +45°C
Power Tolerance	± 10%

Physical Characteristics

Module Dimension	225 × 140 × 3.2mm
Tolerance of Dimension	±0.5mm
Tolerance of Thickness	±0.5mm
Frame	Not Included
Wire	Red wire tinned 0.2mm ² , length=305±5mm Black wire tinned 0.2mm ² , length=305±5mm

Drawing:

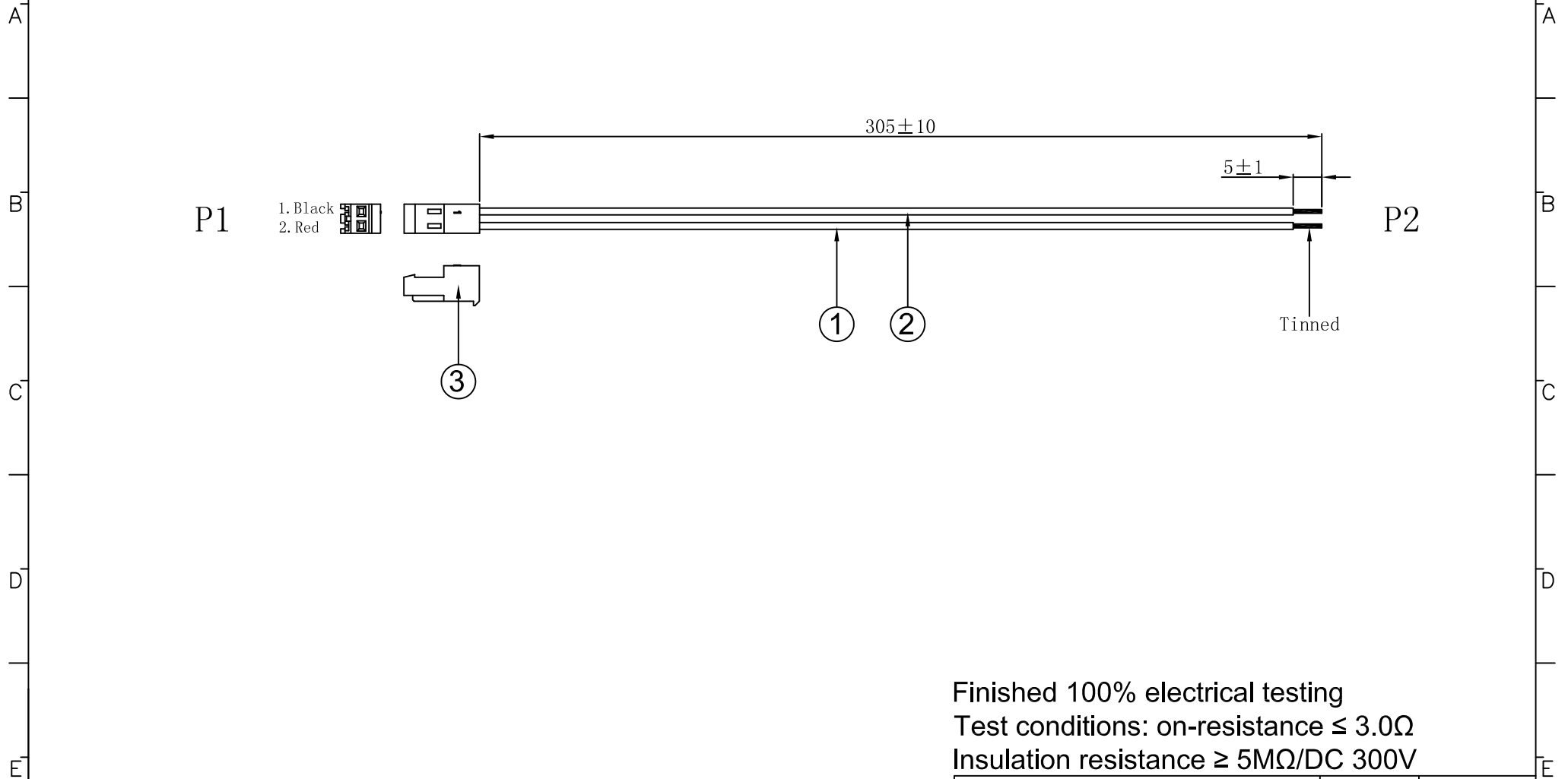


NOTE:

1. ALL THE UNIT IS MILLIMETRE (MM)
2. RoHS COMPLIANCE
3. SOLAR PANEL THICKNESS 3.2 ± 0.1 MM

Note: All materials comply with RoHS

REVISION	CHANGES	APPROVERD	DATE
S1	NEW DRAWN	David	2015-09-15



Finished 100% electrical testing
 Test conditions: on-resistance $\leq 3.0\Omega$
 Insulation resistance $\geq 5M\Omega/DC 300V$

ACE HARNESS		SHEN ZHEN DIMU ELECTRONIC CO.,LTD.		CUSTOMER CODE	079
				CUSTOMER PN.	2K0806
.X±0.2	X°±0.5	APPROVERD:		PRODUCT NAME:	
.XX±0.1	.X°±0.1	REVIEW:		Drawing No.:	
.XXX±0.05	.XX°±0.05	CHECKED:		ACE14079111	
MATERIAL:		DRAWN: David 2015-09-15		SCALE: None	PAGE: 1/1
SURFACE TREATMENT:				UNIT: MM	REVISION: S1

BOM			
NO.	Specification	Q'ty	Part No.
③	Housing: AMP 3-640441-2	1PCS	
②	Cable: UL1007 24AWG Electronic wire Color: Black L: 310mm	1PCS	
①	Cable: UL1007 24AWG Electronic wire Color: Red L: 310mm	1PCS	

SPECIFICATION(规格书)

SPEC NO.(规格书编号):1007-005	VERSION(版本):V1.0	CUTOFF WIRE(截面图)
DESCRIPTION(产品描述): PVC INSULATED WIRE		
SIZE(规格): UL 1007 #24 COLOR(OPTIONAL) OD:1.4mm		
REFERENCE(参考): UL758、UL1581		
RATING VOLTAGE(额定电压)V:	300	
RATING TEMPERATURE(额定温度)°C:	80	
CONSTRUCTION(结构):		
CONDUCTOR 导体	AWG(线规)	#24
	CONSTRUCTION(结构)	11/0.160TS±0.007mm
	MATERIAL(材质)	Tinned annealed stranded copper(绞合镀锡铜线)
	DIAMETER(线径)	0.61mm
INSULATION 绝缘	MATERIAL(材质)	PVC
	MINIMUM AVERAGE THICKNESS (最小平均厚度)	0.38mm
	MINIMUM THICKNESS(最薄厚度)	0.33mm
	DIAMETER(线径)	1.40mm±0.05mm
	COLOR(颜色)	Optional(任意)
FILLER(填充)	COTTON THREAD(棉纱)	无
BINDER(被覆层)	COTTON PAPER(棉纸)	无
SHIELD(屏蔽)	BRAID(编织)	无
	DRAIN WIRE(地线)	无
JACKET(外被)	MATERIAL(材质)	无
	MINIMUM AVERAGE THICKNESS (最小平均厚度)	无
	MINIMUM THICKNESS(最薄厚度)	无
	DIAMETER(线径)	无
	COLOR(颜色)	无
PHYSICAL & ELECTRICAL PROPERTIES(物理与电气性能)		
CONDUCTOR RESISTANCE(导体电阻)ohms/km:		94.2 MAX. at 20°C
INSULATION RESISTANCE(绝缘电阻)Mohms/km:		0.75
SPARK TEST(火花测试)kv:		3
VOLTAGE WITHSTAND TEST(耐压测试)kv/min.:		2.0
FLAME TEST(耐燃测试):		VW-1
UNAGED FOR INSULATION(老化前)	ELONGATION(伸长率):%	100
	TENSILE STRENGTH(抗张强度):N/cm ²	1034
AGED FOR INSULATION(老化后)	ELONGATION(伸长率):%	65%UNAGED MIN.(121±1.0°C×168H)
	TENSILE STRENGTH(抗张强度):N/cm ²	70%UNAGED MIN.(121±1.0°C×168H)
UNAGED FOR JACKET(老化前)	ELONGATION(伸长率):%	无
	TENSILE STRENGTH(抗张强度):N/cm ²	无
AGED FOR JACKET (老化后)	ELONGATION(伸长率):%	无
	TENSILE STRENGTH(抗张强度):N/cm ²	无
MARKING(印字): E336285 ㊄ AWM 1007 24AWG VW-1 80°C 300V C ㊄ AWM I A 80°C 300V FT1 ZHONGZHENG -LF-		
PREPARED(制作):罗海军	APPROVED(批准):马国林	ISSUE DATE(发行时间):2014.05.23