

**DC-DC INVERTER SPECIFICATION****Model No. : MWDU1****Issue Date: 2012-4-26**

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**1. Input:**

1.1 Input Voltage:	12-13.8V DC
1.2 Input Current:	<3.5A
1.3 Protection:	Fuse5A (5 x 20 mm F5AL)
1.4 Input Inlet:	Cigarette Lighter Plug

**2. Output:**

2.1 Output Voltage:	3/4.5/5/6/7.5/9.5/12V DC $\pm 10\%$ ( 12V DC output only for 13.8VDC input )
2.2 Output Current:	3A
2.3 USB Output Voltage:	5VDC $\pm 5\%$
2.4 USB Output Current:	1 A
2.5 Output Power:	41W max.
2.6 Protection:	Overload (Current / Power) protection Short circuit protection

**3. Environmental Requirements**

3.1 Operating Temperature:	0°C To 35°C
3.2 Storage Temperature:	-20°C To 60°C
3.3 Operating Humidity:	20%-85% Rh Non-Condensing
3.4 Storage Humidity:	10%-90% Rh Non-Condensing

**4. Reliability**

4.1 MTBF:	50000 Hours Min.
4.2 Burn-In:	4 Hours 25°C, Full Load

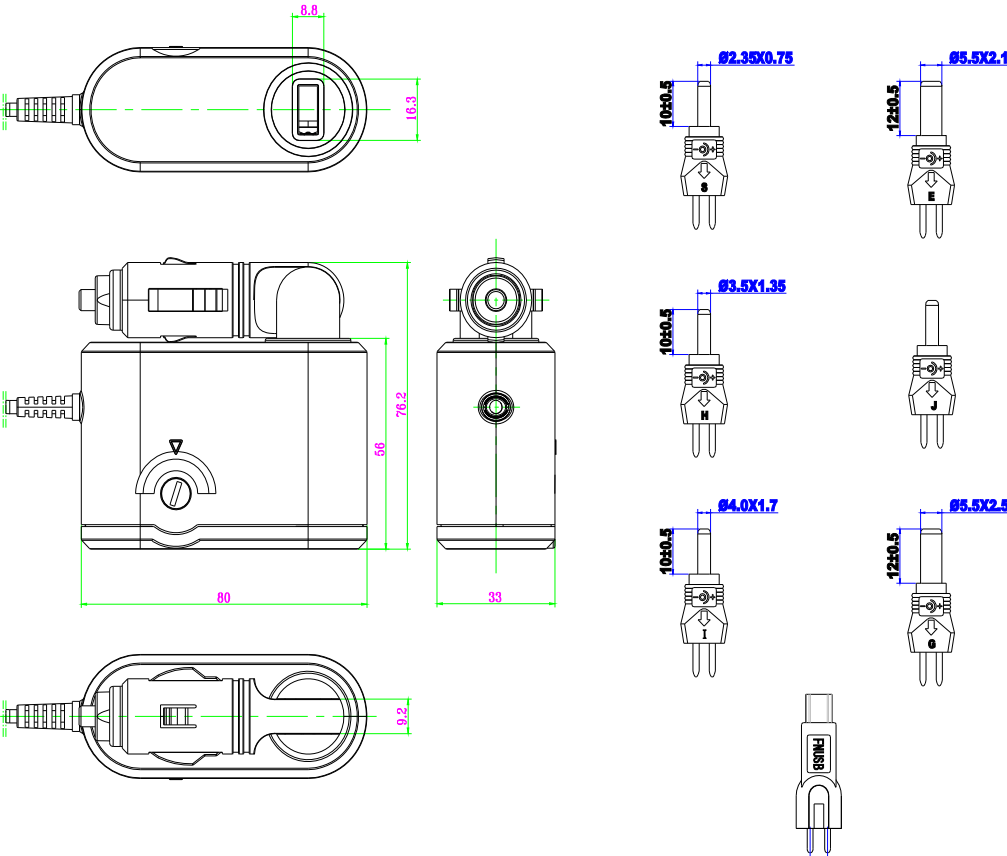
**5. EMC Requirements**

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6. Mechanical Specification:

DIMENSION	80mm(L)*33 mm(W)* 76.2mm(H)
WEIGHT	163g MAX exclude packing
INPUT CORD	---
INPUT PLUG	Cigarette Lighter Plug
OUTPUT CORD	1.8M
OUTPUT PLUG	USB outlet
OUTPUT CONNECTOR	7XC = E(2.1x5.5mm), G(2.5x5.5mm), H(1.35x3.5mm) , I(1.7x4mm), J(1.75x4.75mm), S(0.75x2.35mm), FNUSB (Mini USB)

Consult Attached Drawing



APPROVE:

AUDITING:

CONNER: