WERLATONE

Model WPM10800
Coaxial Power Meters

Instantaneous & Simultaneous
• Local and/or Remote Monitoring
• Forward Power Reading/Monitoring (Watts or dBm)
• Reverse Power Reading/Monitoring (Watts or dBm)
• VSWR Readings (Watts, Return Loss, Rho)

VSWR Alarm
• Customer can set up audio/visual alarm via relay contacts.
• Signal sent to closed loop.

Temperature Monitoring (with alarm)
• One sensor, internal measurement, within Power Meter.
• One sensor, external measurement, to be placed by customer.

General Purpose Inputs (6 ea) Multiple Use
• Track switch closures (assign to interlock group).
• Trigger alarm relay (sends email alert).
• RF presence status/alarm (saftey feature).
• Alarm, activated switch.

Accessories:
• Single Channel and Multi-Channel Displays
• RF Digital Dashboard Spreadsheet Software, (Simultaneously
Monitor Outputs of 30+ Power Meters
• PC Based Graphical User Interface Windows XP/7/8/10 Compatible

Accuracy:
• ± 2% to Customer Calibration Standard, at preselected frequencies.
• ± 5% over a Multi-Octave Bandwidth
• Werlatone Calibration Traceable to (NIST) National Institute of Standards and Technology

Power:
• AC Power Adapter (100/240 50-60 Hertz V AC)
• POE (Passive Over Ethernet, Optional POE Injector Kit Available
• Via RS485 (Via Single Channel or Multi-Channel Displays)

Interface (Via):
• TCP/IP - SNMP and Browser Interface via Local Area Network
• RS232, Serial
• RS485 - Form Addressable Serial Network
• User ID and Password Protected for Access and Control
• Multiple units can be Networked and Simultaneously Monitored On-Site or Remotely (TCP/IP/SNMP/Serial)

RoHS Compliant Design Available
Custom Connector Configurations Available

Electrical Specifications:
Frequency: 20 - 200 MHz
Power: 10,000 W CW

Calibrated to Exact Frequencies:
57.0 MHz   60.0 MHz   63.0 MHz
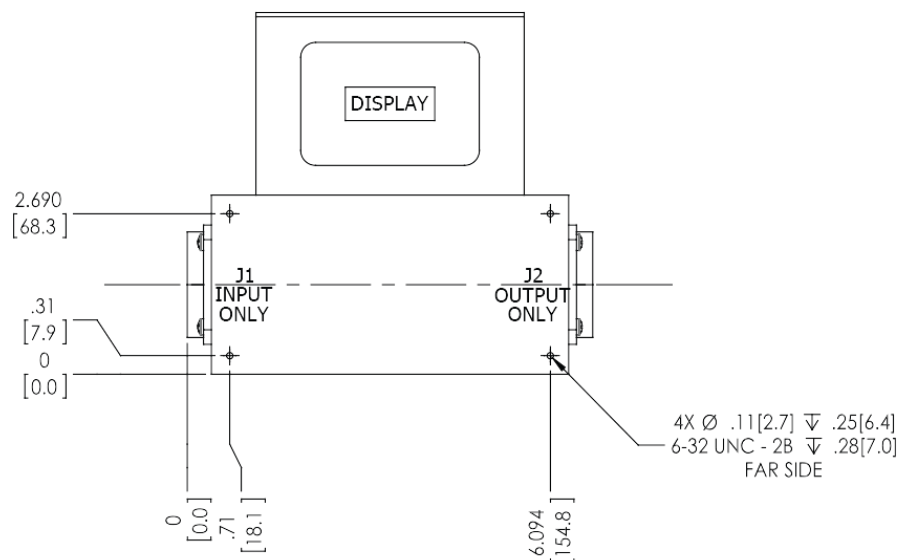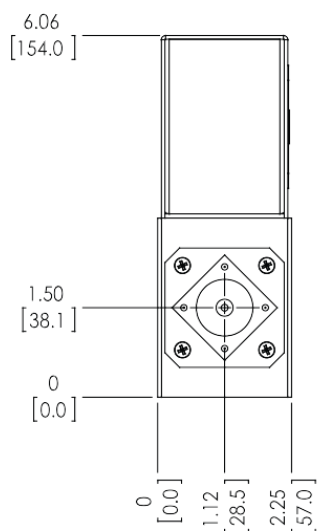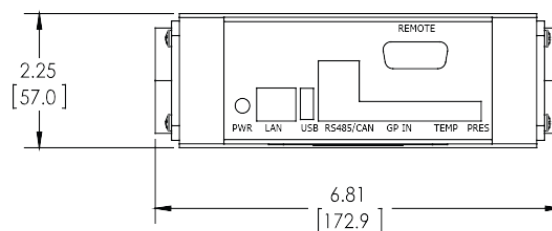127.0 MHz

Connector Configurations:

Model	Input(J1)	Output(J2)
WPM10800-502	SQS Female	SQS Female
WPM10800-7502	SQS Male	SQS Female
WPM10800-QC-2	QC Block	QC Block

Mechanical Specifications:
Type: Connectorized
Operating Temperature: -55°C to +75°C
Storage Temperature: -60°C to +85°C

REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	2/12/2018	CS

REMOTE

2.25
[57.0]

PWR LAN USB RS485/CAN GP IN TEMP PRES

6.81
[172.9]

6.06
[154.0]

DISPLAY

2.690
[68.3]

1.50
[38.1]

.31
[7.9]

0
[0.0]

0
[0.0]

J1
INPUT
ONLY

J2
OUTPUT
ONLY

4X Ø .11[2.7] ▽ .25[6.4]
6-32 UNC - 2B ▽ .28[7.0]
FAR SIDE

0
[0.0]

1.12
[28.5]

2.25
[57.0]

0
[0.0]

.71
[18.1]

6.094
[154.8]

UNLESS OTHERWISE SPECIFIED
• INTERPRET DRAWING IAW MIL-STD-100
• DIMENSIONING PER ASME Y14.5M-2009
• PARENTHETICAL INFO FOR REF ONLY
• DIMENSIONS ARE IN INCHES [mm]
• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
• TOLERANCES:
   ANGLES ± 2°
   3 PL ± .005 [.13]
   2 PL ± .015 [.4]
• REMOVE ALL BURRS AND SHARP EDGES R.01 MAX
• CONCENTRICITY MACHINED DIA: .002 FIM
• MACHINE TOOL MISMATCH .003 MAX

THIRD ANGLE PROJECTION

DWN	PLP	2/9/2018
CHK	CS	2/9/2018
ENGR		
MFGR		
QA		
RLSE		

WERLATONE SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE
OUTLINE

SIZE	CAGE CODE	DWG NO	REV
B	28812	21583-500	-

SCALE 1:2   SHEET 1 OF 1

NEXT ASSY	USED ON
	WPM11416

APPLICATION

WPM10800 Rev.-   2