

APPROVAL SHEET

CUSTOMER : NETGEAR

MODEL NO : Cable-SMA(Mu)-1.5M-SMA(Mu)

PART NO : ACC-10314-01

DESCRIPTION : Cable Assembly

HPF195 SMA(M)rp + 1.5M + SMA(M)rp

DATE : 2003/03/28 (Version:0.1)

Customer Approved

Issued	Checked	Approved
Jason Lee	Jac Lee	Damy Wu

SMA JACK

Electric properties

1. Frequency Range..... 0~8GHz
2. Impedance..... 50 OHMS± 5Ω
3. SWR..... ≤1.5
4. Working Voltage..... ≤250 *Vrms*
5. Dielectric Withstanding Voltage. ≤750 *Vrms*
6. Insulation Resistance..... ≥2000 *Megohms*
7. Contact Resistance..... 3.0 Milliohms(Max)
(Center contact)
8. Contact Resistance..... 2.5 Milliohms(Max)
(Outer contact)
9. Insertion Loss..... 0.2dB

Mechanical Properties

1. Recommended coupling nut torque..... 4.0 in.lbs.~8.8 in.lbs.
2. Coupling nut retention force..... ≥50 lbs
3. Contact captivation axial..... ≥5 lbs.
4. Operating Temperature..... -40°C~+80°C
5. Thermal Shock..... MIL-STD-202,Method107,ConditionB
6. Corrosion..... MIL-STD-202,Method101,ConditionB
7. Shock..... MIL-STD-202,Method213,Condition I
8. Vibration..... MIL-STD-202,Method204,ConditionD
9. Moisture Resistance..... MIL-STD-202,Method106

Material Properties

1. Body..... Brass Per JIS H3250 C3604 BD,
Gold Plated,Per MIL-G-45204
2. Contact..... Beryllium Copper Per QQ-C-530,
Gold Plated,Per MIL-G-45204
3. Insulator..... PTFE Fluorocarbon Per ASTM D 1710

CABLE HPF195



Rev	Change	By	Date

MASTER

Construction:

- A) Center Conductor:
Bare Copper
OD 0.0375" ± .0005"
- B) Dielectric:
Foam Polyethylene
OD 0.110" Nom.
- C) Inner Shield:
Bonded Aluminum Composite Tape
OD 0.116" Nom.
- D) Outer Shield:
36 AWG Tin Plated Copper
90% Minimum Coverage
OD 0.137" Nom.
- E) Jacket:
FRPVC(Black)
OD 0.195" ± 0.005"
Printed "Harbour Industries HPF195HFPVC CATVR
75C 18 AWG (UL)"

Electrical:

Impedance: 50 Ohms Nom.
Capacitance: 24.4 pF/ft Nom.
Velocity of Propagation: 80 % Nom.
Shielding Effectiveness: >90 dB
Voltage Withstand: 2,500 VDC
VSWR(.45-6.00GHz): <1.15:1 Typical
1.30:1 Maximum

Physical Properties:

Weight: 20.6 lbs/ 1000ft
Minimum Bend Radius: 1.0 in
Operating Temp. Range: -40 to +75 °C

Attenuation	
Frequency	dB/100 Ft
GHz	Typical(Max.)
1.00	11.4(12.5)
2.00	16.3(18.0)
3.00	20.2(22.2)
4.00	23.5(25.9)
5.00	26.5(29.1)
6.00	29.2(32.1)

Drawn By: MTPiner

Approved By: MTPiner

Date:
01/27/03

Scale:
None

Part Number:
T80

Rev:

Sheet 1 of 1

Drawing Name:

HPF195HFPVC

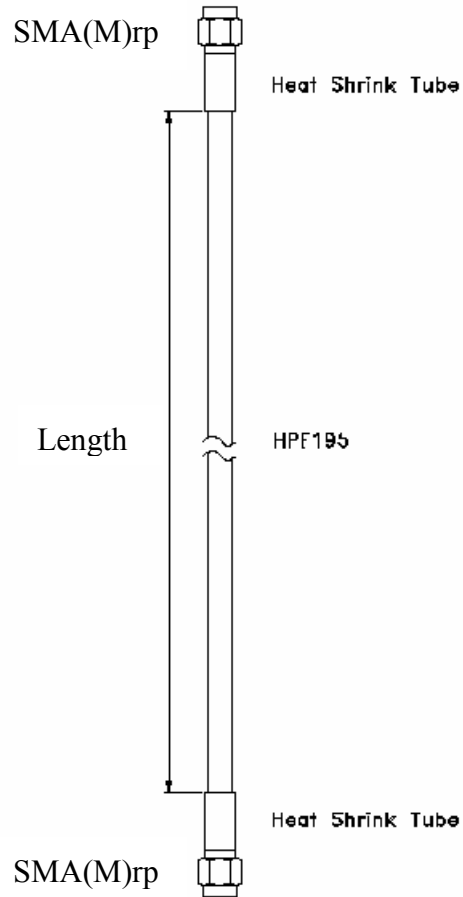
Drawing Number:

012703_1

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Dimension

Cable Length: 1500mm

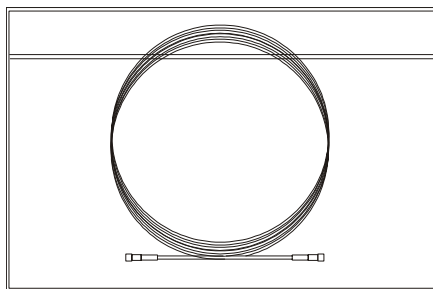


Packages

Plastic Bag Size: 450(L) * 280(W) * 0.12(H) mm

Quantity : 1PCS/SET

Weight : 50g



Carton Size: 320(L) * 250(W) * 230(H) mm

Quantity : 20PCS/Carton

Weight : 1.8Kg

