



विद्युत अभियांत्रिकी विभाग
DEPARTMENT OF ELECTRICAL ENGINEERING
भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
कानपुर - 208 016 (भारत)
KANPUR - 208 016 (INDIA)

Phone : (0512)-2596523
2597403
Fax : (0512)-2590063
Webpage : <http://www.iitk.ac.in/ee>

ENQ No.: EE/MJA/RFCON-1/2012

Date: January 16, 2012

Inviting sealed quotation for RF Cables and Adapters/ Connectors

Sealed Quotations are invited for the following RF Cables and Adapters /Connectors to be used in the Microwave lab of the Department of Electrical Engineering:

List of Adapters-

S.No	Adapter Type	Quantity
1.	N(F)-BNC(M)	4No
2.	N(F)-N(F)	4 No
3.	N(F)-SMA(M)	4 No
4.	N(F)-SMA(F)	4 No
5.	N(M)-SMA(F)	4 No
6.	N(M)-SMA(M)	8 No
7.	SMA(F)-SMA(M)	8 No
8.	SMA(F)-SMA(F)	8 No
9.	SMA(M)-SMA(M)	4 No
10.	SMA(F)-BNC(F)	4 No
11.	SMA(F)-BNC(M)	4 No
12.	SMA(M)-BNC(M)	4 No
13.	SMA(M)-BNC(F)	4 No

Specifications

- Impedance: 50Ω
- Frequency: DC - 18GHz
- Typical Insertion Loss: 0.1dB
- Typical VSWR: ≤ 1.30 at 10 GHz

List of cables

S.No	Cable length	Cable connector	Quantity
1.	1m	SMA(F)-SMA(M)	2No
2.	.5m	N(M)-N(M)	2No
3.	1m	SMA(M)-N(M)	2No
4.	.5m	SMA(M)-SMA(M)	4No
5.	1m	SMA(M)-SMA(M)	4No
6.	1m	N(M)-N(M)	2No
7.	.5m	SMA(M)-N(M)	4No

Specifications

- Impedance: 50Ω
- Frequency: DC - 18GHz
- Typical Insertion Loss: ≤ 1.0 dB at 10GHz
- Typical Return Loss : 20dB at 10GHz
- Good stability of Phase & VSWR for moderate bend radius

Hand Formable Cable-

S.No	Cable length	Cable connector	Quantity
1.	≤ 15 cm	SMA(M)-SMA(M)	8No

Specifications

- Impedance: 50Ω
- Frequency: DC - 18GHz
- Typical Bend Radius: 5-6mm
- Typical Insertion Loss: ≤ 5 dB at 10GHz
- Typical Return Loss : 20dB at 10GHz
- Good stability of Phase & VSWR for moderate bend radius

List Of 50 ohm Matched Load List

Connector Type	Quantity
SMA (Male)	8No
N(Male)	8No

Specifications

- Impedance:- 50Ω
- Frequency:- DC - 18GHz

Validity of Quotation: 1 month

Last date for submission of quote is 23/01/2012.

The Quotation in sealed envelope should be sent to the following address:

Dr. M. J. Akhtar
Asst. Professor
ACES-326
Department of Electrical Engineering
IIT Kanpur,
Kanpur-208 016