Imported N (M) Terminations, 2W

Frequency: **DC ~ 18 GHz** | *P/N:* **IHP-??-2.. Series**

Impedance : 50 Ω

Operating Temp : -55˚C ~85˚C

Ordering Code	Frequency (GHz)	VSWR (max)	Figure	Avg. Power (W)	Peak Power (kW)	Connector
IHP-T2-2-6-N	DC-6	1.20	Fig 1	2 [1)]	0.5kW (5us pulse width, 0.2% duty cycle)	N(M)
IHP-T2-2-12.4-N	DC-12.4	1.25	Fig 1	2 [1)]	0.5kW (5us pulse width, 0.2% duty cycle)	N(M)
IHP-T2-2-18-N	DC-18	1.30	Fig 1	2 [1)]	0.5kW (5us pulse width, 0.2% duty cycle)	N(M)

1) Average Power at 25°C ambient temperature, derated linearly to 0.5W @125°C

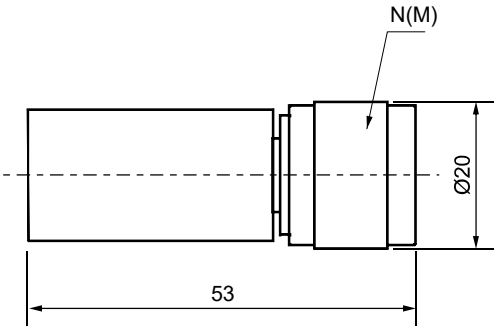
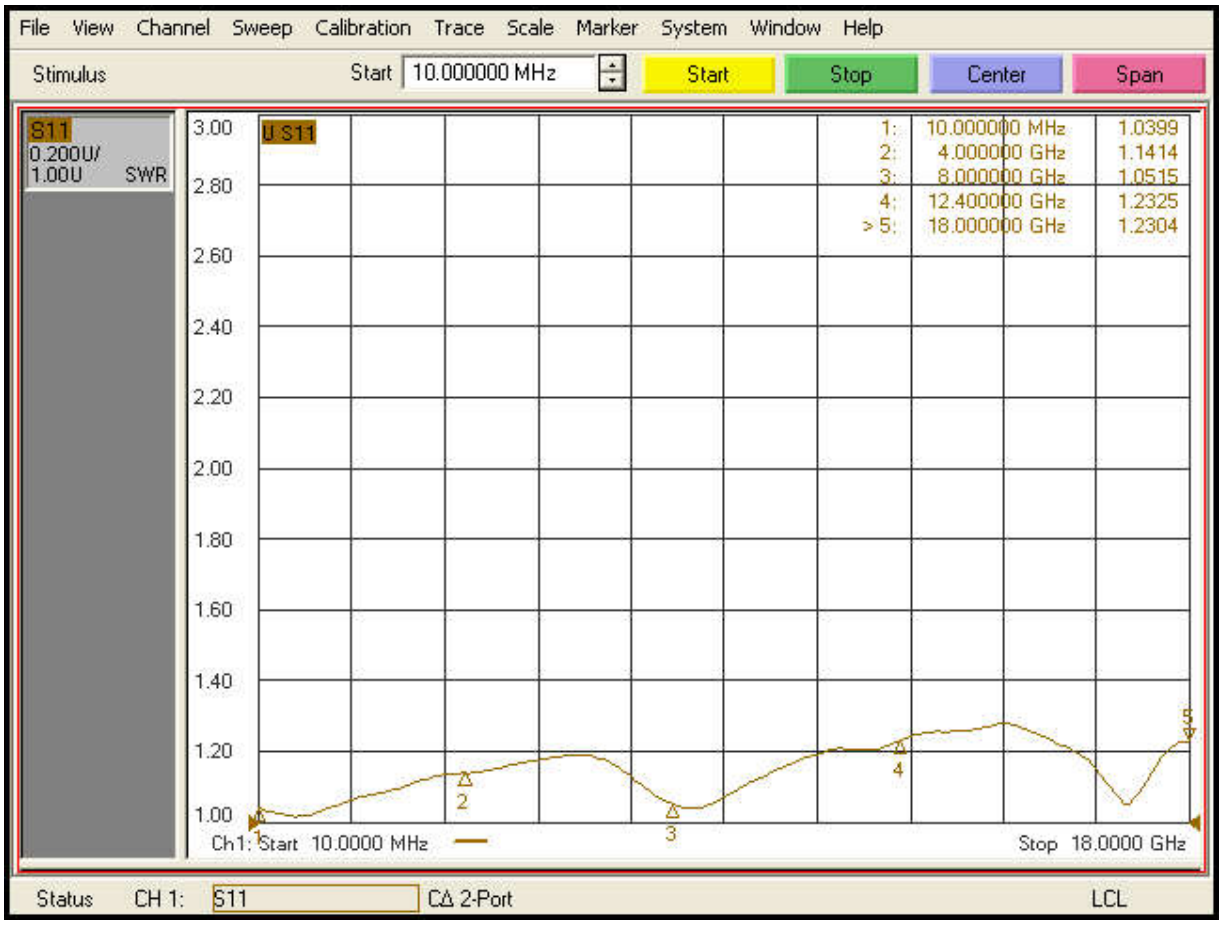


Fig 1

VNA Plot for IHP-T2-2-18-N Load (2W/18GHz)



Imported N (M) Loads, 5W

Frequency: **DC ~ 18 GHz** | *P/N:* **IHP-??-5.. Series**

Impedance : 50 Ω

Operating Temp : -55˚C ~85˚C

Ordering Code	Frequency (GHz)	VSWR (max)	Figure	Average Power (W)	Peak Power (kW)	Connector
IHP-T3-5-8-N	DC-3	1.15	Fig 1	5 [1)]	1kW (5us pulse width, 0.5% duty cycle)	N(M)
IHP-T2-5-6-N	DC-6	1.25	Fig 1	5 [1)]	0.5 (5us pulse width, 0.4% duty cycle)	N(M)
IHP-T1-5-6-N	DC-6	1.15	Fig 1	5 [1)]	1kW (5us pulse width, 0.25% duty cycle)	N(M)
IHP-T1-5-12.4-N	DC-12.4	1.25	Fig 1	5 [1)]	1kW (5us pulse width, 0.25% duty cycle)	N(M)
IHP-T1-5-18-N	DC-18	1.30	Fig 1	5 [1)]	1kW (5us pulse width, 0.25% duty cycle)	N(M)

1) Average Power at 25°C ambient temperature, derated linearly to 0.5W @125°C

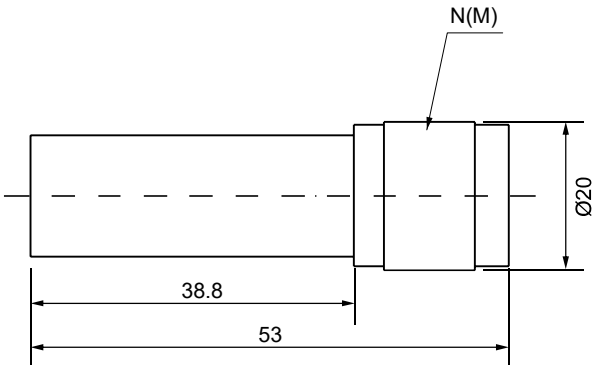
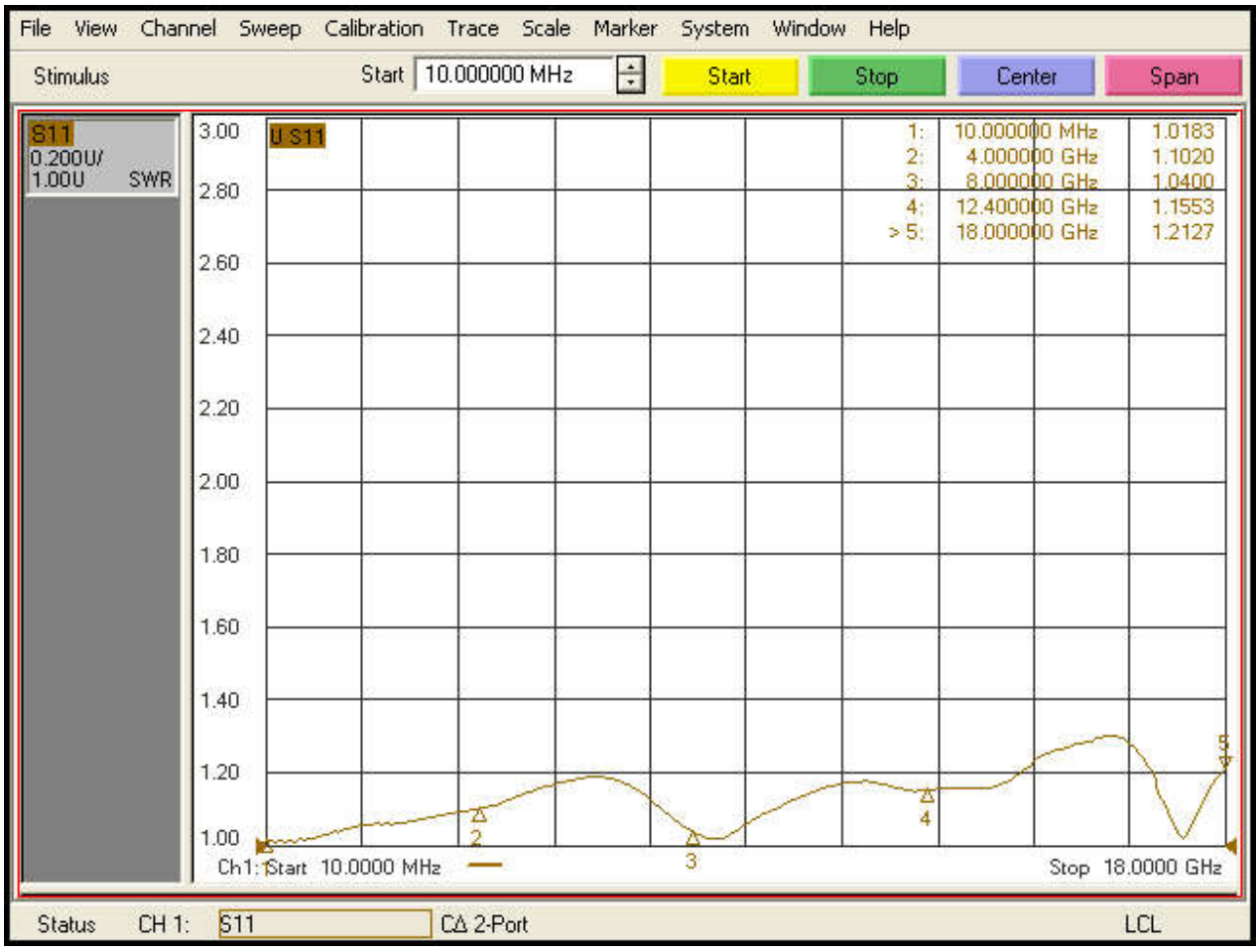


Fig 1

VNA Plot for IHP-T1-5-18-N Load (5W/18GHz)



Imported N (M) Loads, 10W

Frequency: **DC ~ 18 GHz** | *P/N:* **IHP-??-10.. Series**

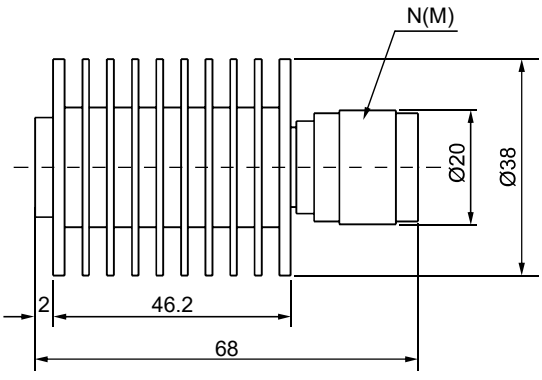
INDE®

Impedance : 50 Ω

Operating Temp : -55˚C ~85˚C

Ordering Code	Frequency (GHz)	VSWR (max)	Figure	Average Power (W)	Peak Power (kW)	Connector
IHP-T4-10-3-N	DC-3	1.15	Fig 1	10 [1)]	1 kW (5us pulse width, 1% duty cycle)	N(M)
IHP-T3-10-4-N	DC-4	<1.15@2 GHz <1.20@3 GHz <1.30@4 GHz	Fig 1	10 [1)]	1 kW (5us pulse width, 1% duty cycle)	N(M)
IHP-T4-10-6-N	DC-6	1.2	Fig 1	10 [1)]	1 kW (5us pulse width, 1% duty cycle)	N(M)
IHP-T1-10-12.4-N-A	DC-12.4	<1.25 @8.5 GHz <1.35 @12.4 GHz	Fig 2	10 [1)]	1 kW (5us pulse width, 0.5% duty cycle)	N(M)
IHP-T1-10-18-N-A	DC-18	<1.25 @8.5 GHz <1.30 @12.4 GHz <1.40 @18 GHz	Fig 2	10 [1)]	1 kW (5us pulse width, 0.5% duty cycle)	N(M)

1) Average Power at 25°C ambient temperature, derated linearly to 1W @125°C



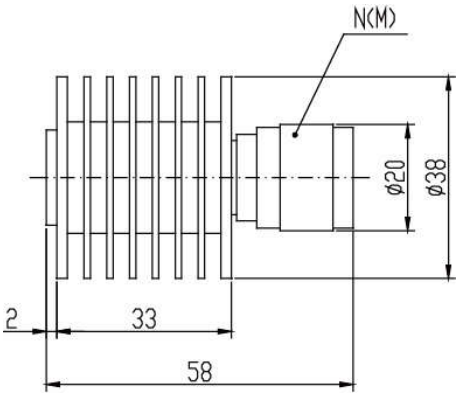
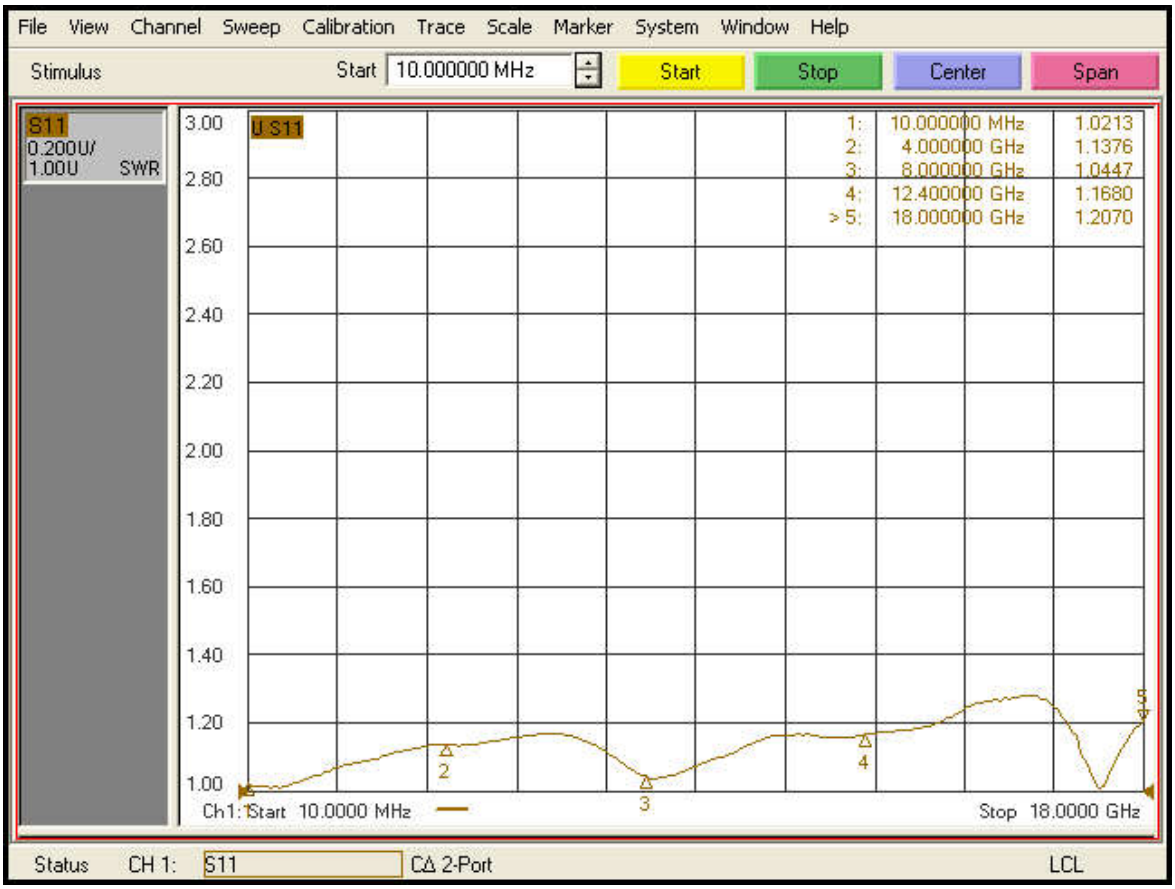


Fig 1

VNA Plot for IHP-T1-10-18-N-A Load (10W/18GHz)



Imported N (M) High Power Loads, 25W

Frequency: **DC ~ 18 GHz** | *P/N:* **IHP-??-25.. Series**

Impedance : 50 Ω

Operating Temp : -55˚C ~85˚C

Ordering Code	Frequency (GHz)	VSWR (max)	Figure	Average Power (W)	Peak Power (kW)	Connector
IHP-T3-25-3-N	DC-3	<1.10@2 GHz <1.20@3 GHz	Fig 2	25 [1)]	1kW (5us pulse width, 2.5% duty cycle)	N(M)
IHP-T1-25-8-N-A	DC-4	1.25	Fig 1	25 [1)]	1kW (5us pulse width, 1.25% duty cycle)	N(M)
IHP-T1-25-12.4-N-A	DC-12.4	1.30	Fig 1	25 [1)]	1kW (5us pulse width, 1.25% duty cycle)	N(M)
IHP-T1-25-18-N-A	DC-18	1.40	Fig 1	25 [1)]	1kW (5us pulse width, 1.25% duty cycle)	N(M)

1) Average Power at 25°C ambient temperature, derated linearly to 2.5W @125°C

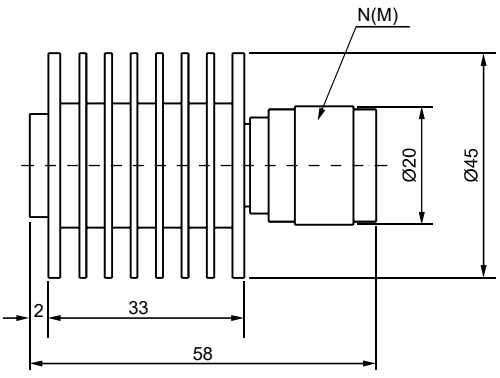


Fig 1

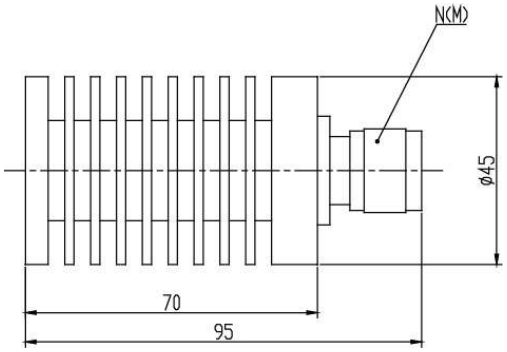
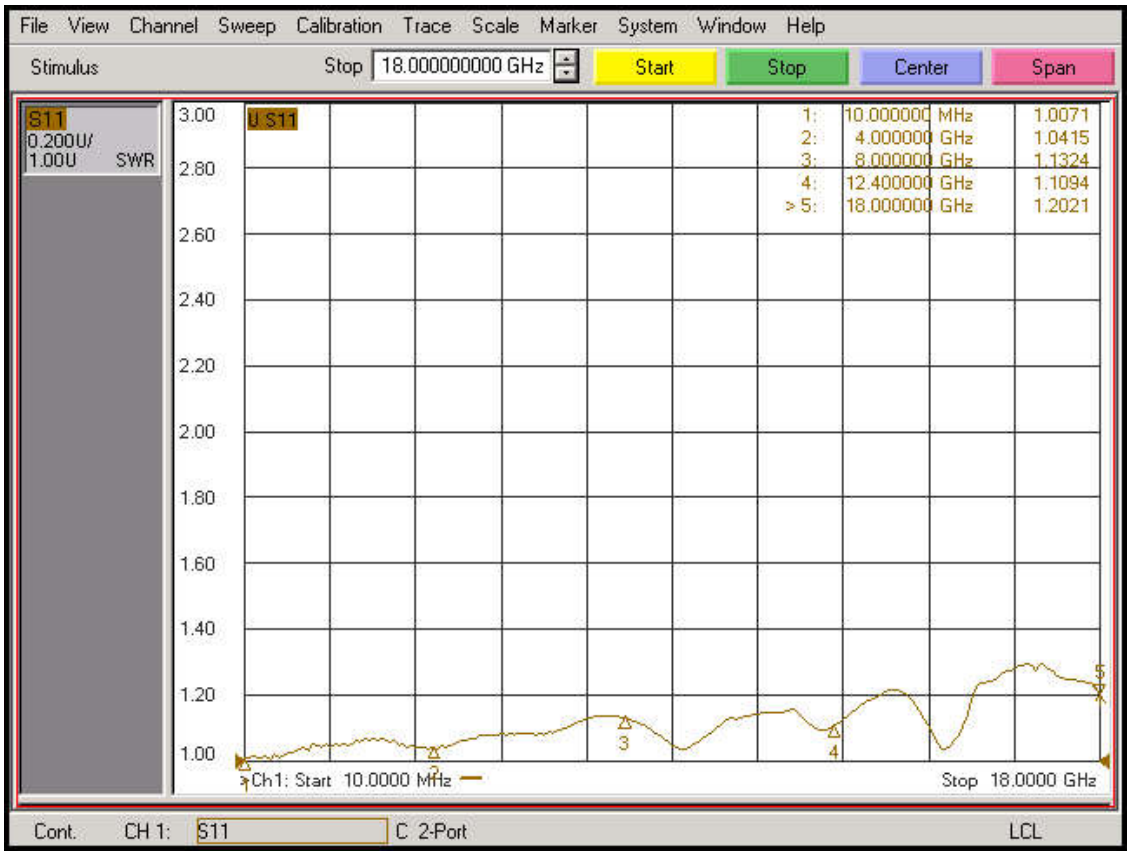


Fig 2

VNA Plot for IHP-T1-25-18-N-A Load (25W/18GHz)



Imported N (M) High Power Loads, 50W

Frequency: **DC ~ 18 GHz** | *P/N:* **IHP-??-50.. Series**

INDE®

Impedance : 50 Ω

Operating Temp : -55˚C ~85˚C

Ordering Code	Frequency (GHz)	VSWR (max)	Figure	Average Power (W)	Peak Power (kW)	Connector
IHP-T3-50-3-N	DC-3	1.1	Fig 3	50 [1)]	1kW (5us pulse width, 5% duty cycle)	N(M)
IHP-W3-50-4-N-A	DC-4	1.15	Fig 1	50 [1)]	5kW (5us pulse width, 1% duty cycle)	N(M)
IHP-W3-50-8-N-A	DC-8	1.25	Fig 1	50 [1)]	5kW (5us pulse width, 1% duty cycle)	N(M)
IHP-T1-50-18-N-A	DC-18	1.40	Fig 2	50 [1)]	1kW (5us pulse width, 5% duty cycle)	N(M)

1) Average Power at 25°C ambient temperature, derated linearly to 5W @125°C
It is assumed that there is free airflow and natural convection around the unit.

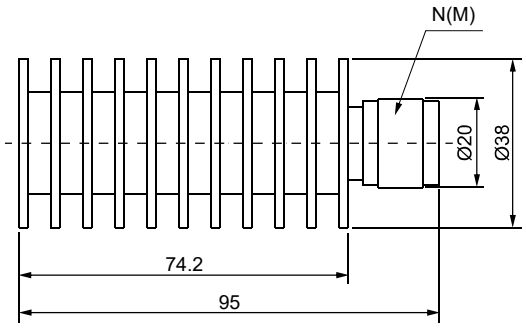


Fig 1

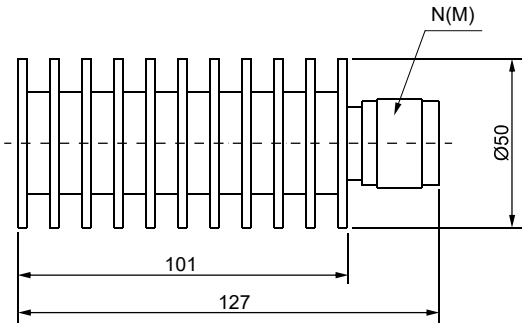


Fig 3

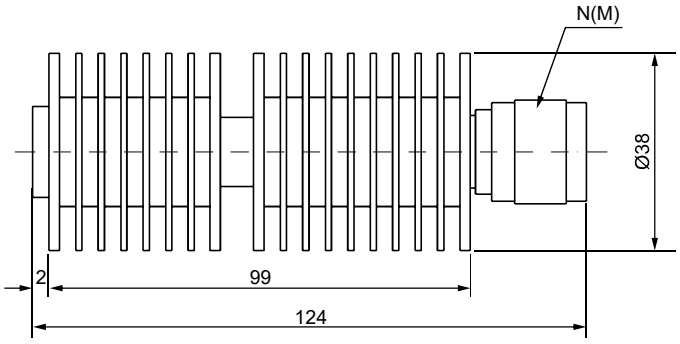


Fig 2

Imported N (M) High Power Loads, 100W

Frequency: **DC ~ 18 GHz** | *P/N:* **IHP-??-100.. Series**

Impedance : 50 Ω

Operating Temp : -55˚C ~ 85˚C

Ordering Code	Frequency (GHz)	VSWR (max)	Figure	Average Power (W)	Peak Power (kW)	Connector
IHP-T4-100-4-N	DC-4	<1.10@1 GHz <1.15@2 GHz <1.20@3 GHz <1.25@4 GHz	Fig 3	100 [1)]	10kW (5us pulse width, 1% duty cycle)	N(M)
IHP-W1-100-4-N-A	DC-4	1.15	Fig 1	100 [1)]	5kW (5us pulse width, 2% duty cycle)	N(M)
IHP-W1-100-8-N-A	DC-8	1.25	Fig 1	100 [1)]	5kW (5us pulse width, 2% duty cycle)	N(M)
IHP-T2-100-18-N-C	DC-18	1.35	Fig 2	100 [1 & 2)]	1kW (5us pulse width, 2% duty cycle)	N(M)

1) Average Power at 25°C ambient temperature, derated linearly to 10W @125°C

2) It is assumed that there is free airflow and natural convection around the unit. In case surface temperature exceeds 70°C a cooling fan of 55W is required

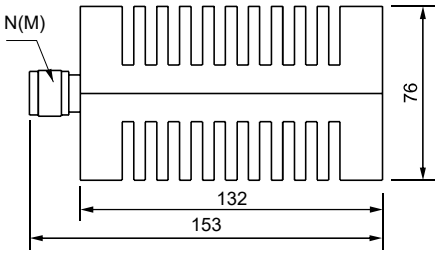


Fig 1

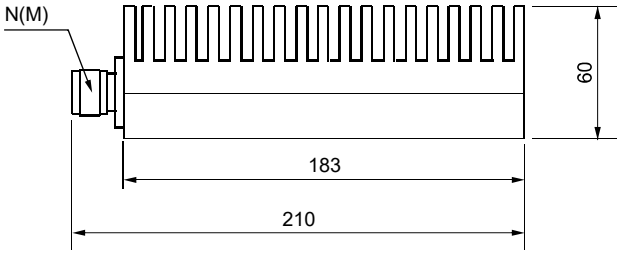


Fig 3

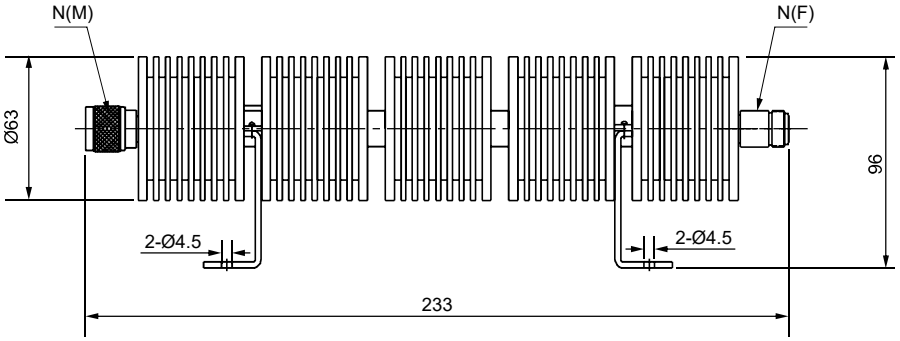
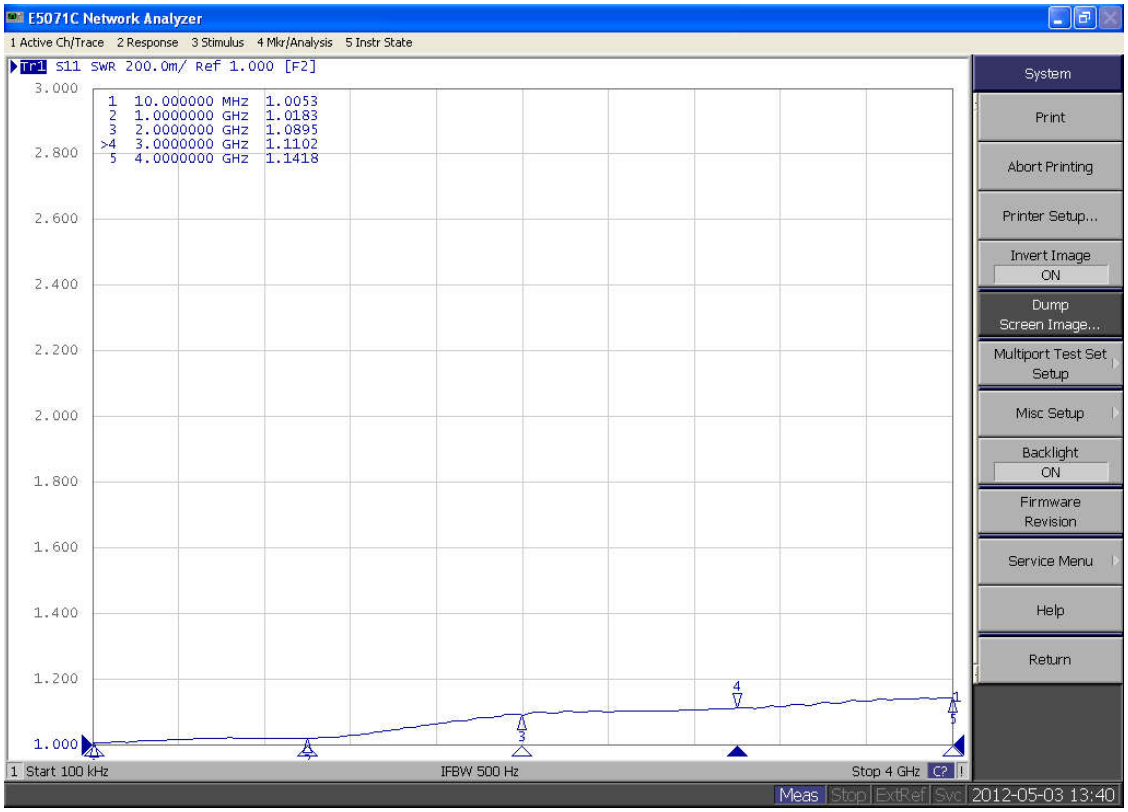


Fig 2

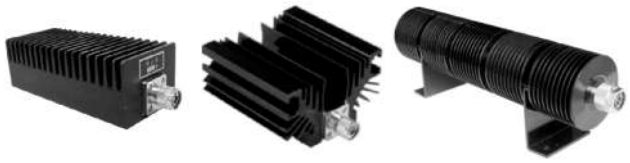
VNA Plot for IHP-T4-100-4-N Load (100W/4GHz)



Imported N (M) High Power Loads, 150W

Frequency: **DC ~ 18 GHz** | *P/N:* **IHP-??-150.. Series**

INDE®



Impedance : 50 Ω

Operating Temp : -55˚C ~85˚C

Ordering Code	Frequency (GHz)	VSWR (max)	Figure	Average Power (W)	Peak Power (kW)	Connector
IHP-T4-150-4-N	DC-4	<1.10@1 GHz <1.20@2 GHz <1.25@3 GHz <1.30@4 GHz	Fig 3	150 1)	10kW (5us pulse width, 1.5% duty cycle)	N(M)
IHP-W1-150-4-N-B	DC-4	1.15	Fig 1	150 1)	5kW(5us pulse width, 3% duty cycle)	N(M)
IHP-W1-150-8-N-B	DC-8	1.25	Fig 1	150 1)	5kW(5us pulse width, 3% duty cycle)	N(M)
IHP-W1-150-10-N-B	DC-10	1.35	Fig 1	150 1)	5kW(5us pulse width, 3% duty cycle)	N(M)
IHP-T2-150-18-N-C	DC-18	1.35	Fig 2	150 1)	1kW (5us pulse width, 1.5% duty cycle)	N(M)

1) Average Power at 25°C ambient temperature, derated linearly to 15W @125°C

2) It is assumed that there is free airflow and natural convection around the unit. In case surface temperature exceeds 70°C a cooling fan of 55W is required

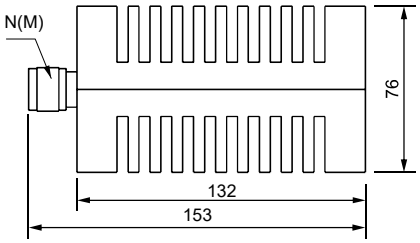


Fig 1

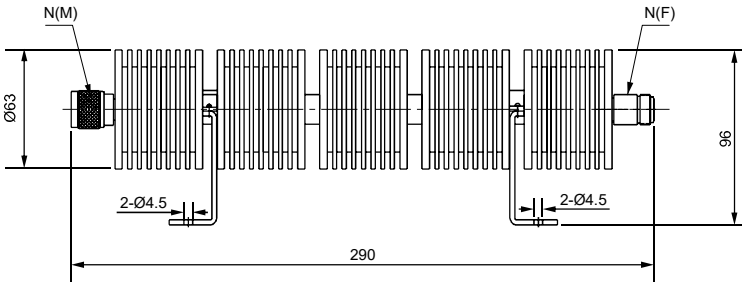


Fig 2

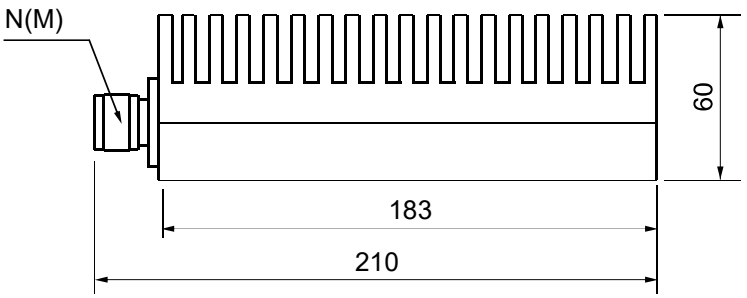
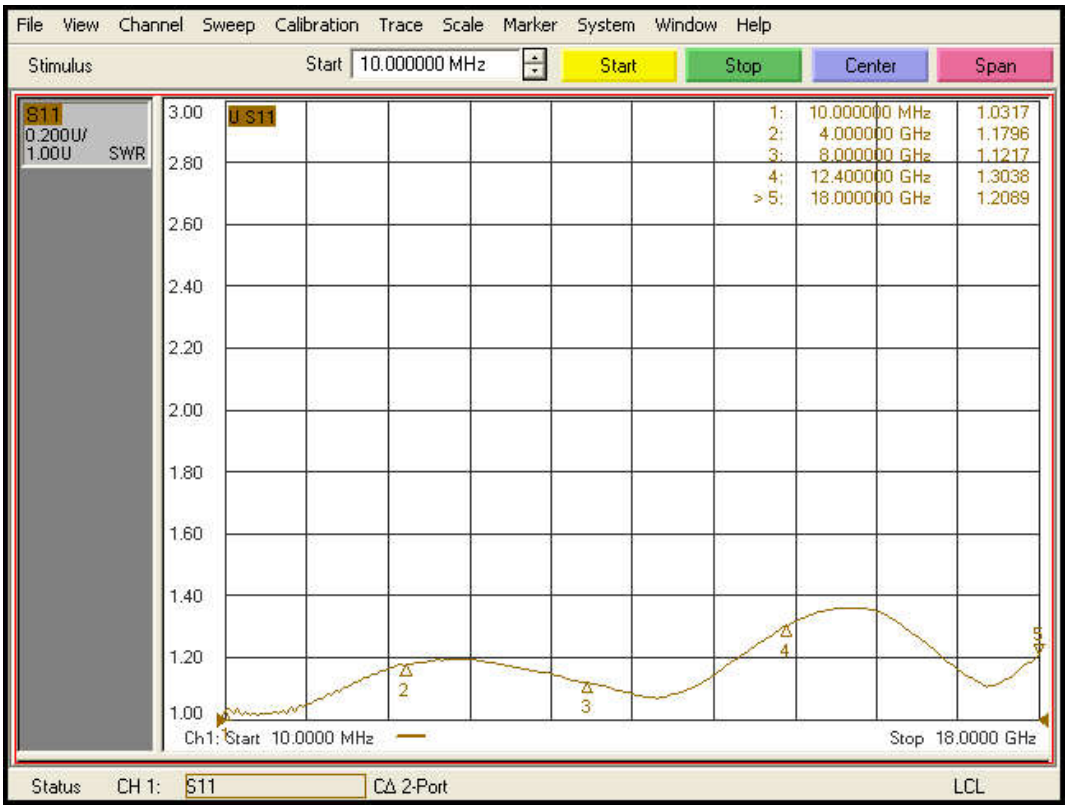


Fig 3

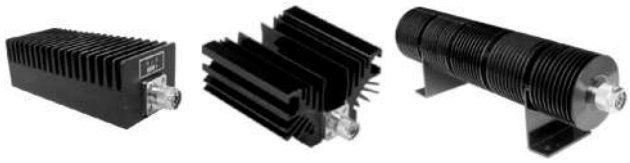
VNA Plot for IHP-T2-150-18-N-C Load (150W/18GHz)



Imported N (M) High Power Loads, 250W

Frequency: **DC ~ 18 GHz** | *P/N:* **IHP-??-250.. Series**

INDE®



Impedance : 50 Ω

Operating Temp : -55˚C ~85˚C

Ordering Code	Frequency (GHz)	VSWR (max)	Figure	Average Power (W)	Peak Power (kW)	Connector
IHP-W1-250-3-N-A	DC-3	1.15	Fig 2	250	5kW (5us pulse width, 5% duty cycle)	N(M)
IHP-T4-250-4-N	DC-4	<1.15@1 GHz <1.20@2 GHz <1.25@3 GHz <1.35@4 GHz	Fig 1	250	10kW (5us pulse width, 2.5% duty cycle)	N(M)
IHP-W1-250-6-N-A	DC-6	1.20	Fig 2	250	5kW (5us pulse width, 5% duty cycle)	N(M)
IHP-W1-250-8-N-A	DC-8	1.25	Fig 2	250	5kW (5us pulse width, 5% duty cycle)	N(M)
IHP-W1-250-10-N-A	DC-10	1.35	Fig 2	250	5kW (5us pulse width, 5% duty cycle)	N(M)
IHP-T1-250-18-N	DC-18	1.40	Fig 3	250	1kW (5us pulse width, 5% duty cycle)	N(M)

1) Average Power at 25°C ambient temperature, derated linearly to 25W @125°C

2) It is assumed that there is free airflow and natural convection around the unit. In case surface temperature exceeds 70°C a cooling fan of 55W is required

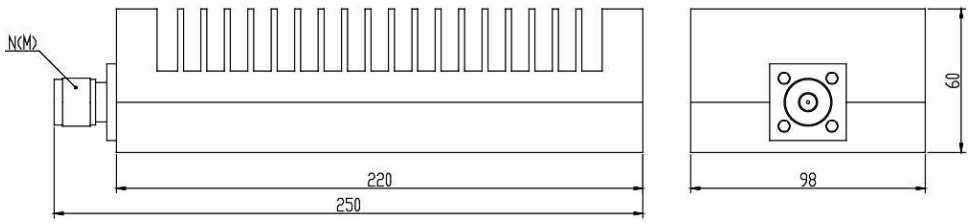


Fig 1

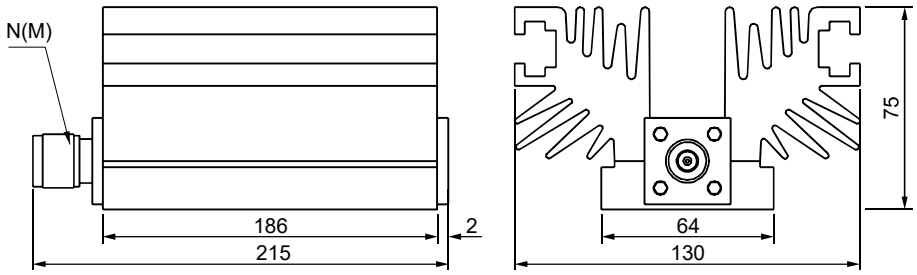


Fig 2

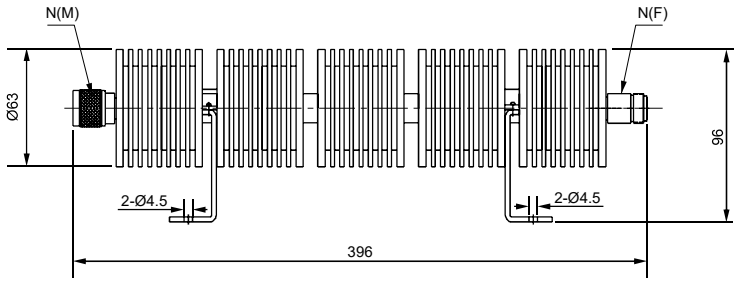
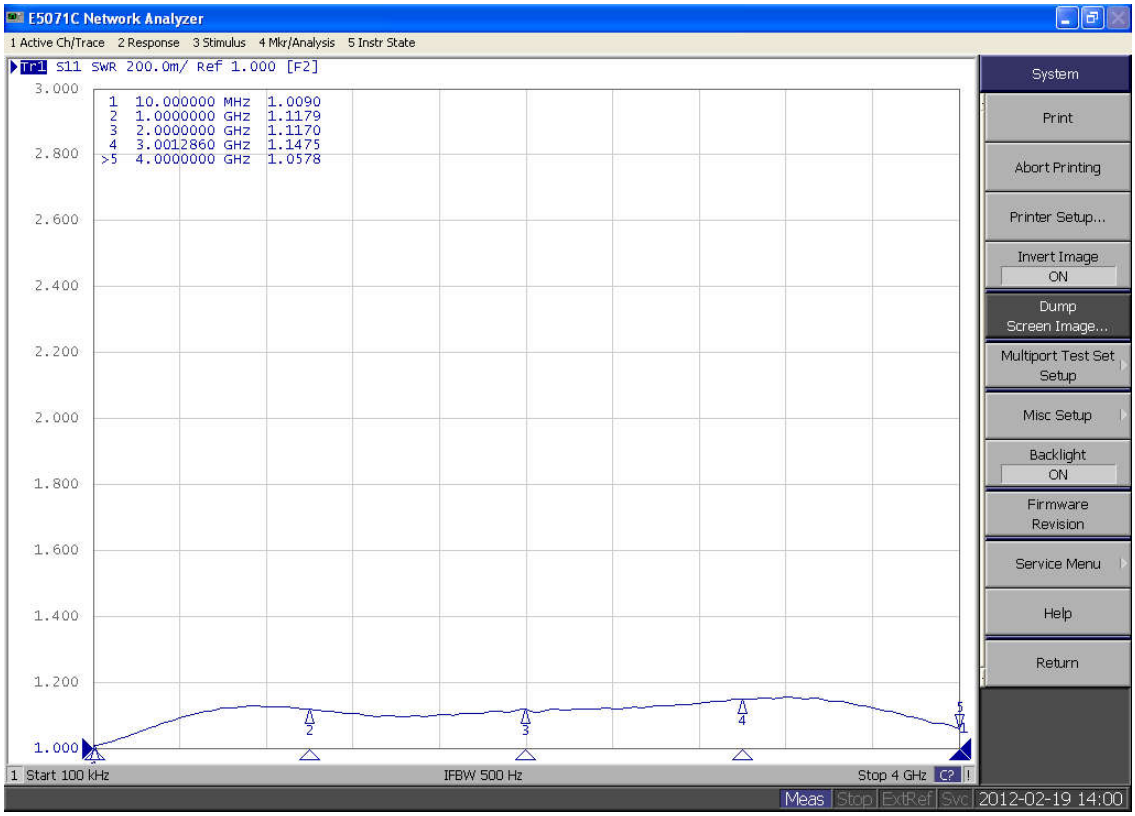


Fig 3

VNA Plot for IHP-T4-250-4-N Load (250W/4GHz)



Imported N (M) High Power Loads, 300W

Frequency: **DC ~ 18 GHz** | *P/N:* **IHP-??-300.. Series**

Conduction Cooled

Impedance : 50 Ω

Operating Temp : -55˚C ~85˚C

Ordering Code	Frequency (GHz)	VSWR (max)	Figure	Average Power (W)	Peak Power (kW)	Connector
IHP-N1-300-2-N-C	DC-2	1.25	Fig 1	300 1)	10kW (5us pulse width, 3% duty cycle)	N(M)
IHP-T4-300-3-N-A	DC-3	<1.15@1 GHz <1.20@2 GHz <1.35@3 GHz	Fig 2	300 1)	10kW (5us pulse width, 3% duty cycle)	N(M)
IHP-W1-300-3-N	DC-3	1.15	Fig 3	300 1)	5kW (5us pulse width, 6% duty cycle)	N(M)
IHP-T4-300-4-N-A	DC-4	1.40	Fig 2	300 1)	10kW (5us pulse width, 3% duty cycle)	N(M)
IHP-W1-300-6-N	DC-6	1.20	Fig 3	300 1)	5kW (5us pulse width, 6% duty cycle)	N(M)
IHP-W1-300-8-N	DC-8	1.25	Fig 3	300 1)	5kW (5us pulse width, 6% duty cycle)	N(M)
IHP-T1-300-18-N	DC-18	1.50	Fig 4	300 1)	1kW (5us pulse width, 3% duty cycle)	N(M)

1) Average Power at 25°C ambient temperature, derated linearly to 30W @125°C

2) It is assumed that there is free airflow and natural convection around the unit. In case surface temperature exceeds 70°C a cooling fan of 55W is required

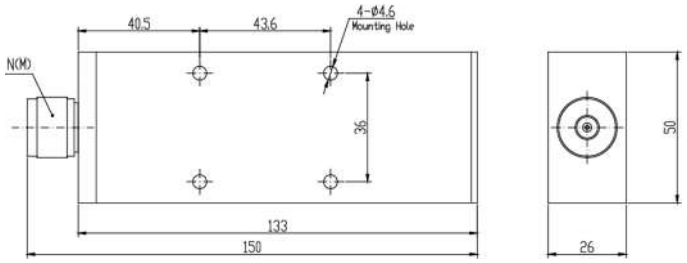


Fig 1

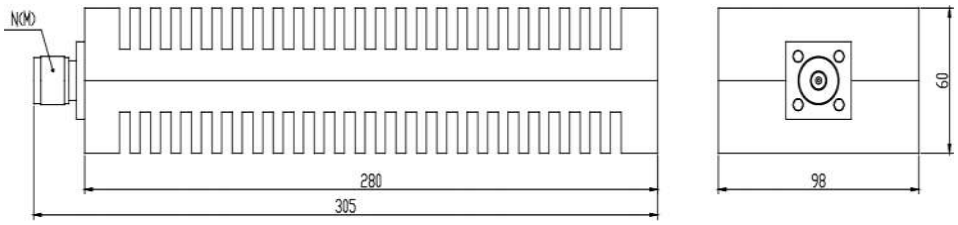


Fig 2

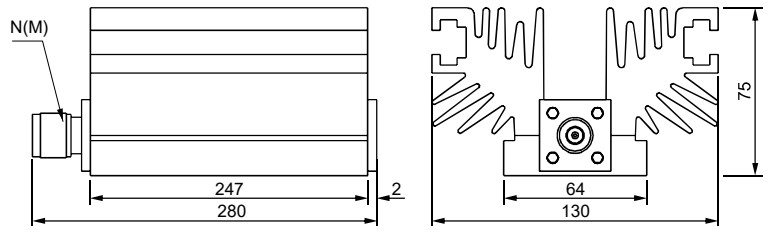


Fig 3

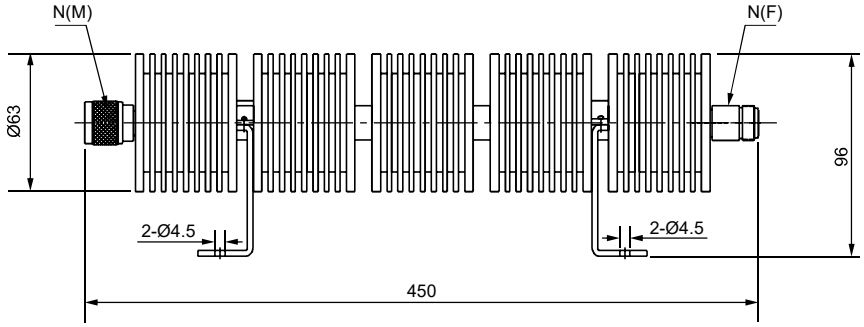
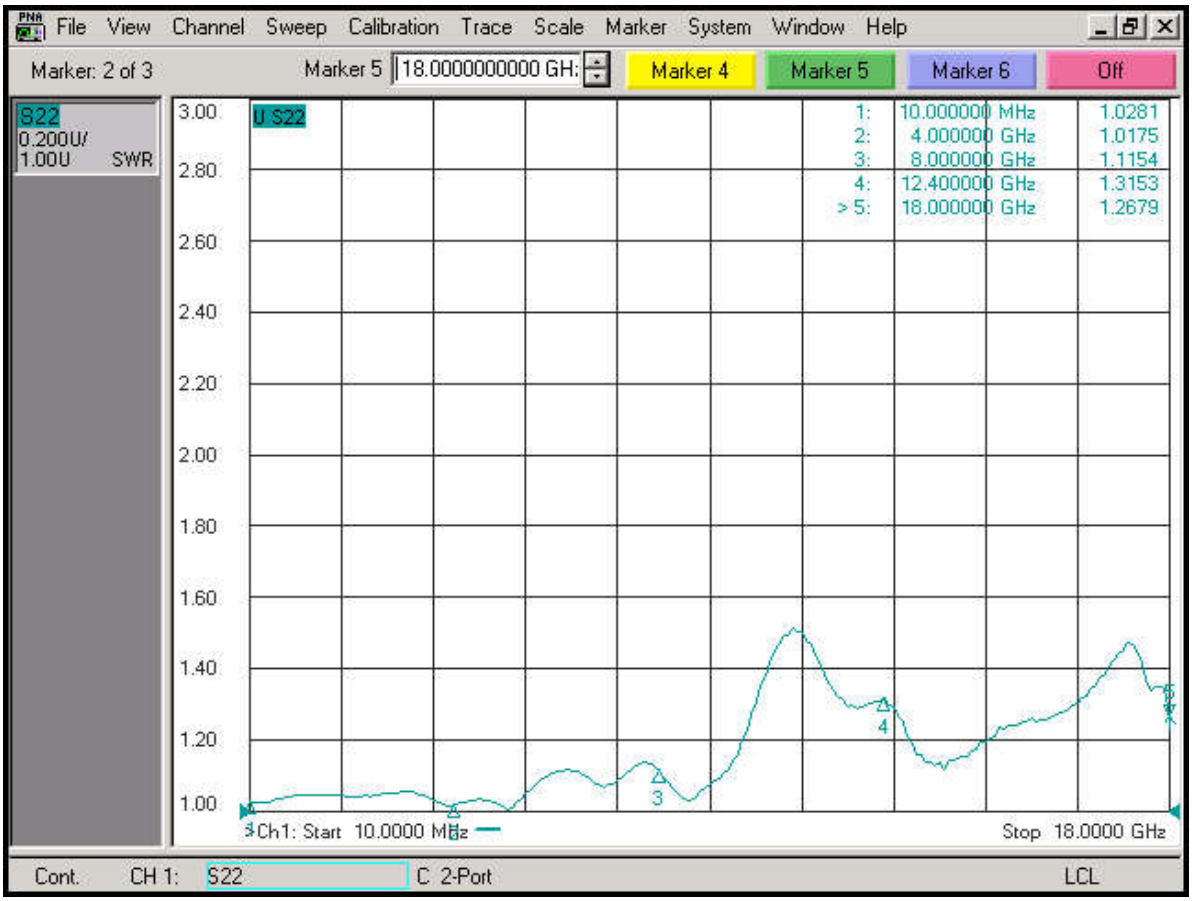


Fig 4

VNA Plot for IHP-T1-300-18-N Load (300W/18GHz)



Imported N (M) High Power Loads, 500W

Frequency: **DC ~ 6 GHz** | *P/N:* **IHP-??-500.. Series**

Impedance : 50 Ω

Operating Temp : -55˚C ~85˚C

Ordering Code	Frequency (GHz)	VSWR (max)	Figure	Average Power (W)	Peak Power (kW)	Connector
IHP-T4-500-2-N	DC-2	<1.15@1 GHz <1.25@2 GHz	Fig 2	500 1)	10kW (5us pulse width, 5% duty cycle)	N(M)
IHP-W1-500-3-N	DC-3	<1.1@2.5 GHz <1.15@3 GHz	Fig 1	500 1)	5kW (5us pulse width, 10% duty cycle)	N(M)
IHP-T4-500-4-N	DC-4	<1.35@3 GHz <1.45@4 GHz	Fig 2	500 1)	10kW (5us pulse width, 5% duty cycle)	N(M)
IHP-W1-500-6-N	DC-6	1.30	Fig 1	500 1)	5kW (5us pulse width, 10% duty cycle)	N(M)
IHP-W1-500-8-N	DC-8	1.45	Fig 1	500 1)	5kW (5us pulse width, 10% duty cycle)	N(M)
IHP-W1-500-10-N	DC-10	1.55	Fig 1	500 1)	5kW (5us pulse width, 10% duty cycle)	N(M)

1) Average Power at 25°C ambient temperature, derated linearly to 50W @125°C
It is assumed that there is free airflow and natural convection around the unit.

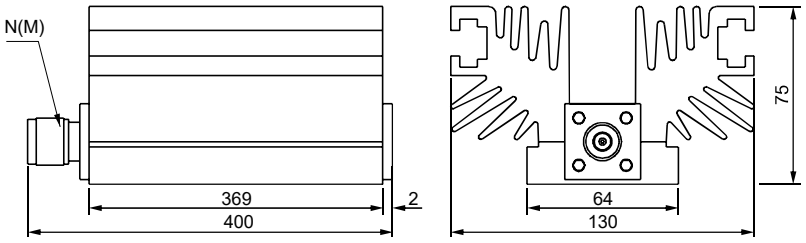


Fig 1

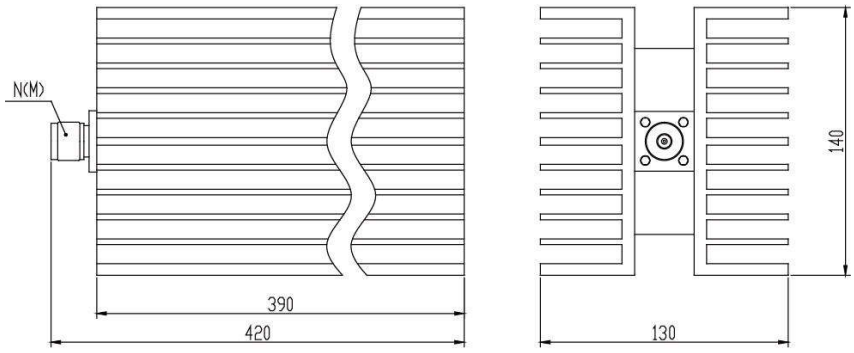


Fig 2

VNA Plot for IHP-W1-500-6-N Load (500W/6GHz)