

Imported N (M) Terminations, 2W		INDE®
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

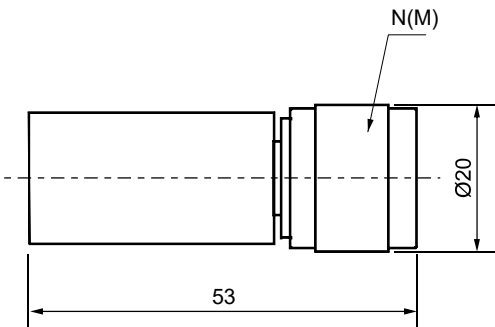


Fig 1

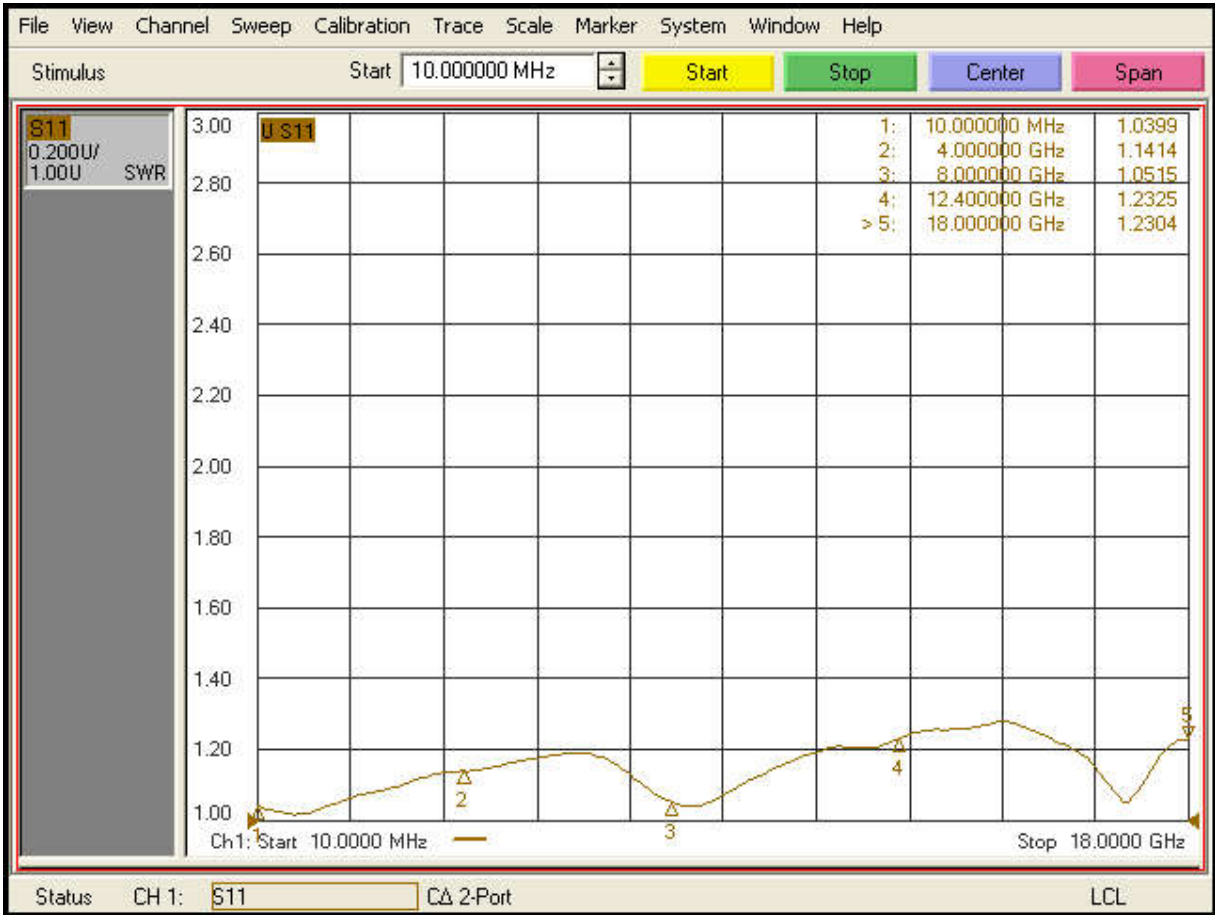
Imported N (M) Terminations, 2W

Frequency: DC ~ 18 GHz

P/N: IHP-??-2.. Series



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

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-T3-5-8-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

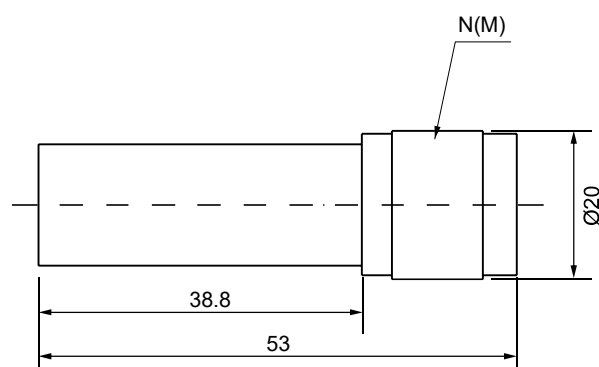
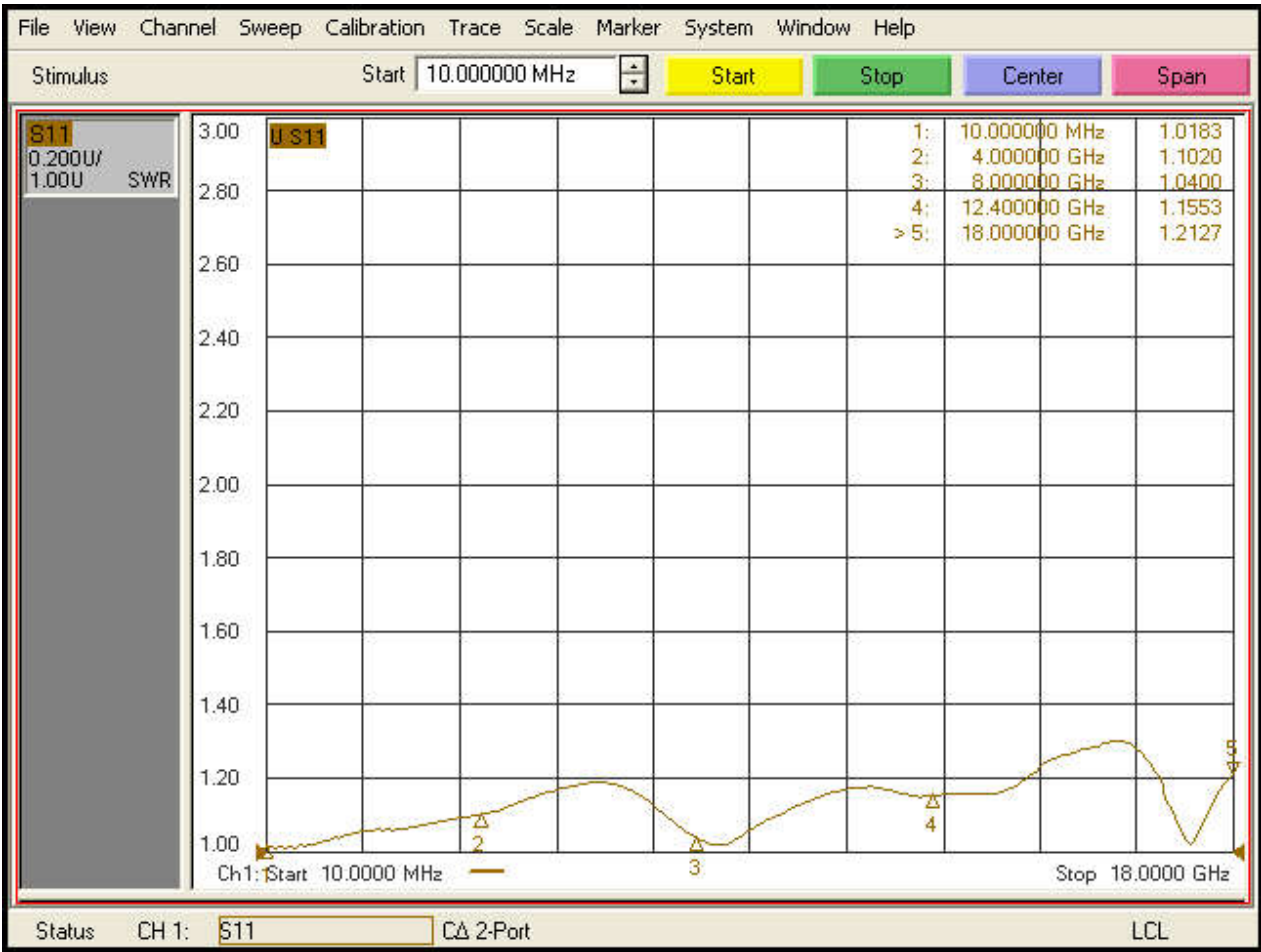


Fig 1

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N22

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



Imported N (M) Loads, 10W		INDE®
Frequency: DC ~ 18 GHz	P/N: IHP-??-10.. 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-T4-10-3-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

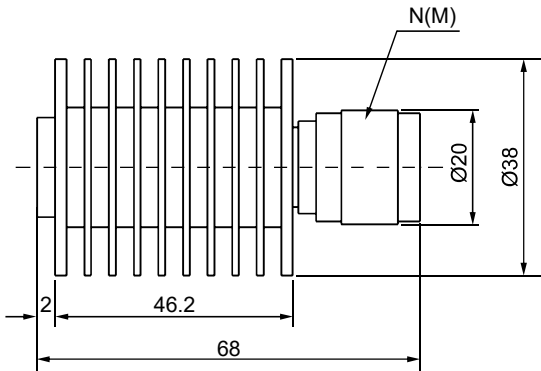
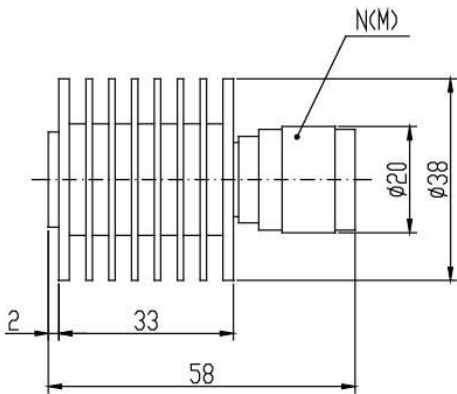
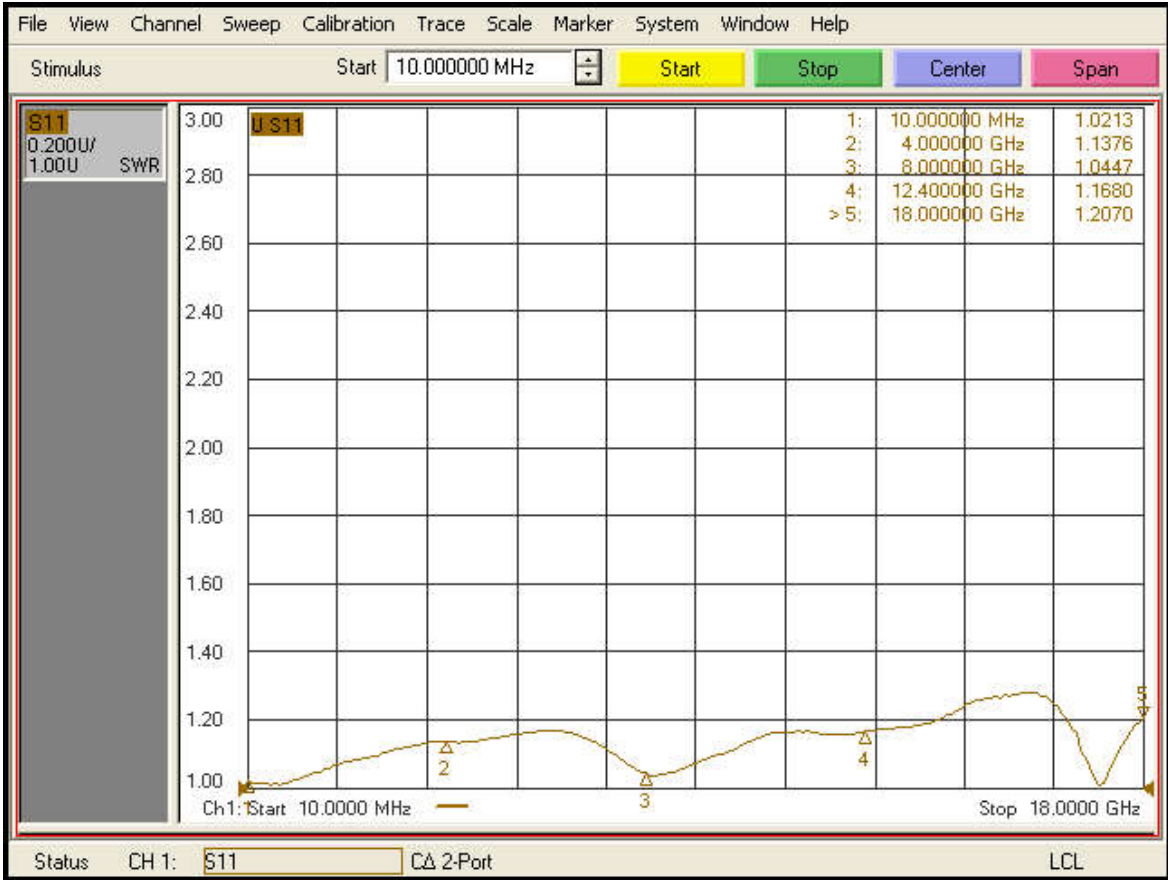


Fig 1



Imported N (M) Loads, 10W		INDE [®]
Frequency: DC ~ 18 GHz	P/N: IHP-??-10.. Series	

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



Imported N (M) High Power Loads, 25W

INDE®

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

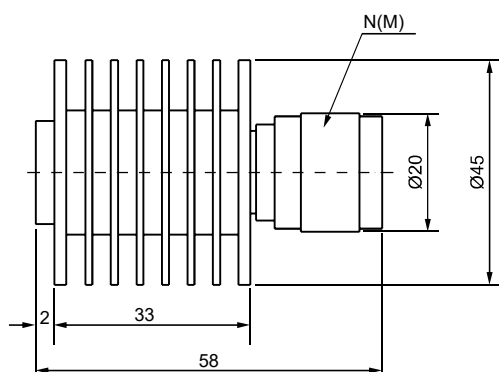


Fig 1

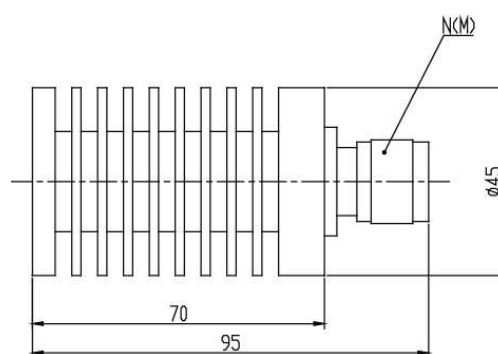
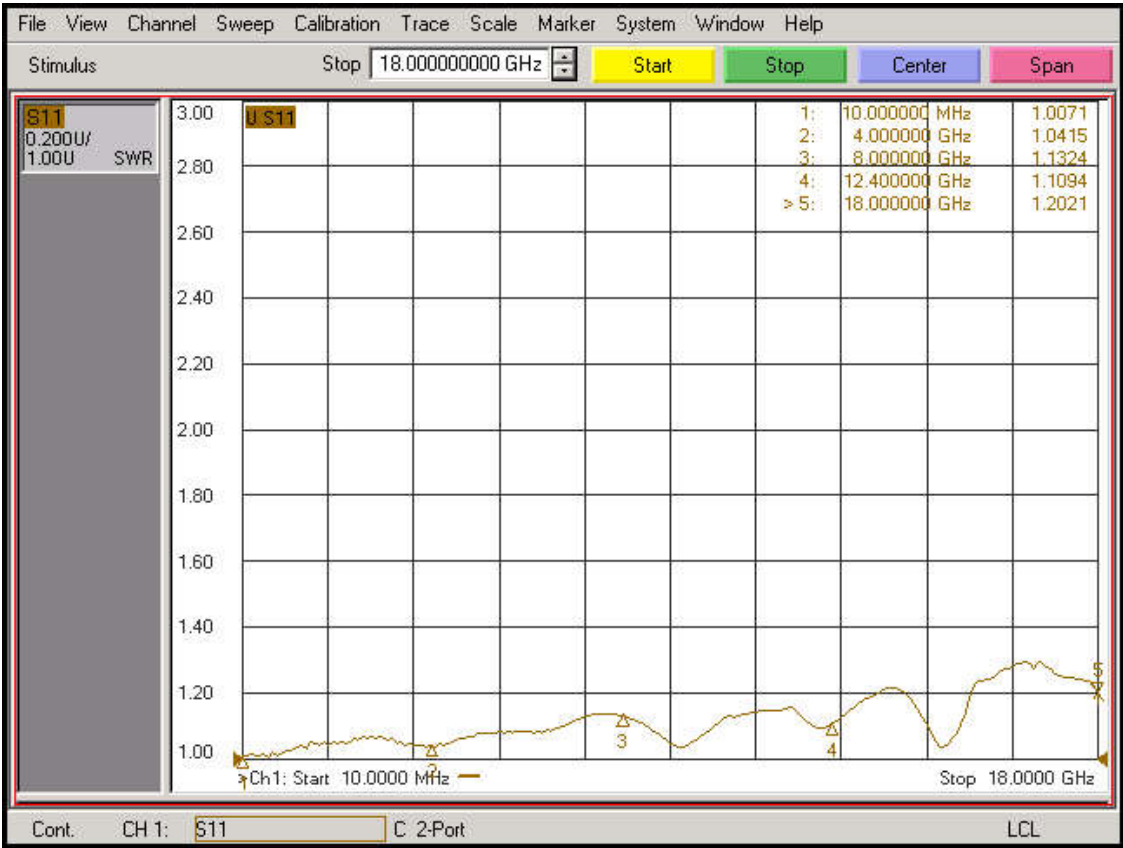


Fig 2

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N24

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



Imported N (M) High Power Loads, 50W

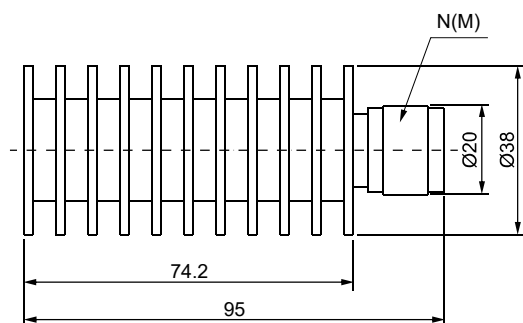
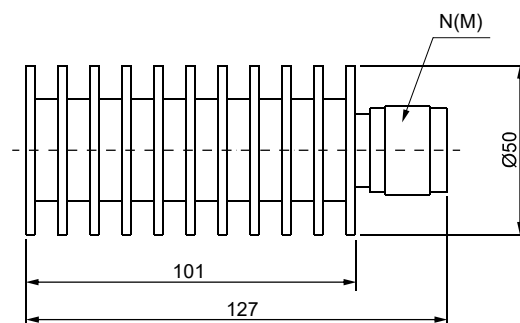
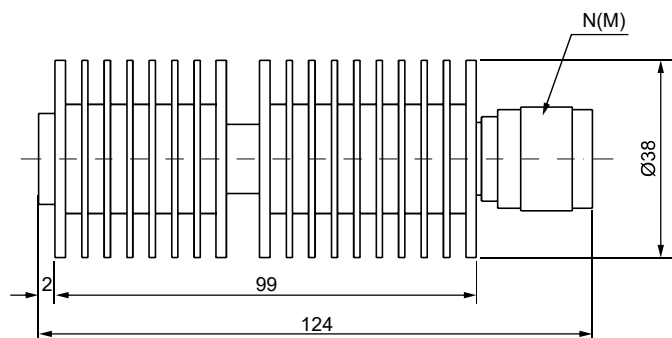
INDE[®]**Frequency: DC ~ 18 GHz****P/N: IHP-??-50.. Series**Impedance : 50 Ω

Operating Temp : -55°C ~ 85°C

Ordering Code	Frequency (GHz)	VSWR (max)	Figure	Average Power (W)	Peak Power (kW)	Connector
IHP-T3-50-3-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****N25**

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Imported N (M) High Power Loads, 100W

Frequency: DC ~ 18 GHz

P/N: IHP-??-100.. 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-T4-100-4-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

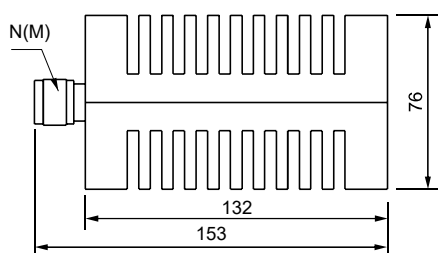


Fig 1

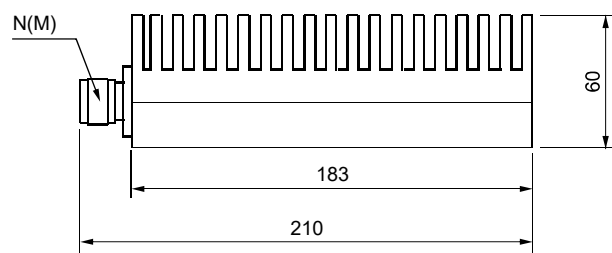


Fig 3

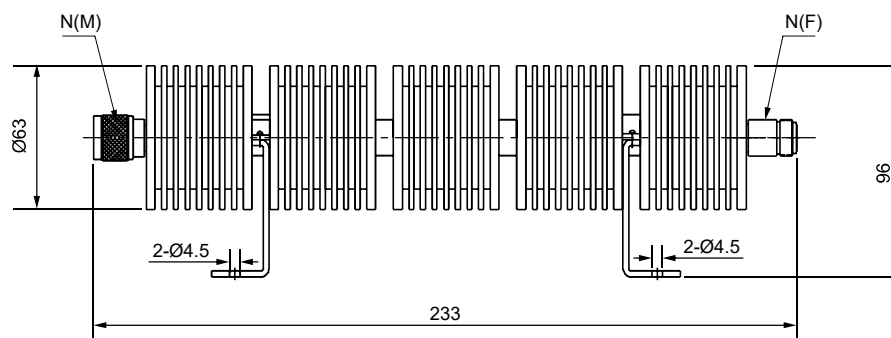
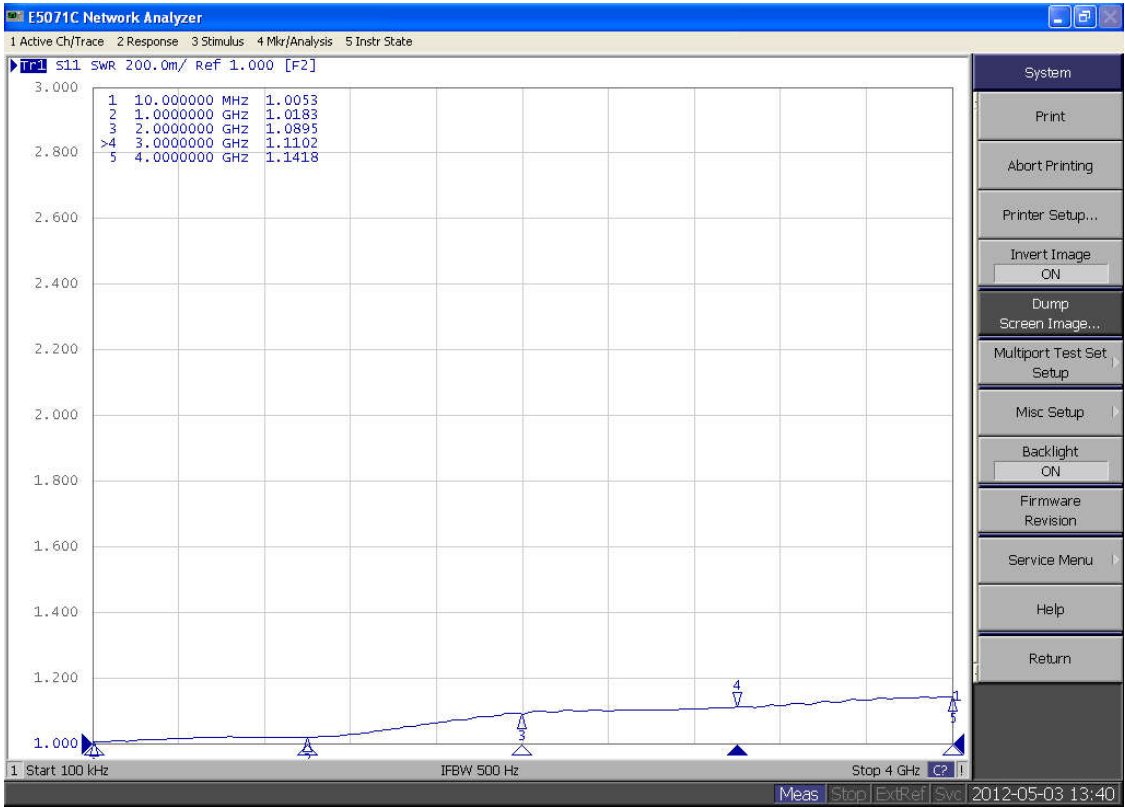


Fig 2

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N26

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



Imported N (M) High Power Loads, 150W

INDE®

Frequency: DC ~ 18 GHz

P/N: IHP-??-150.. 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-T4-150-4-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

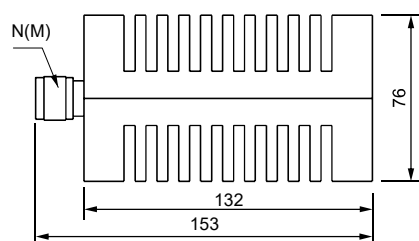


Fig 1

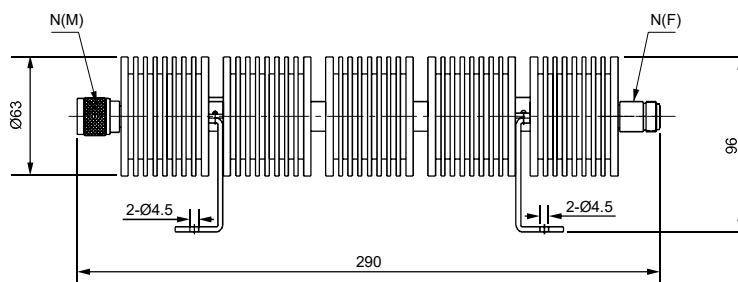


Fig 2

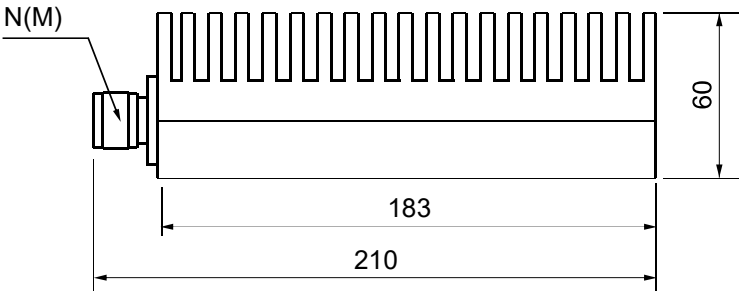


Fig 3

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

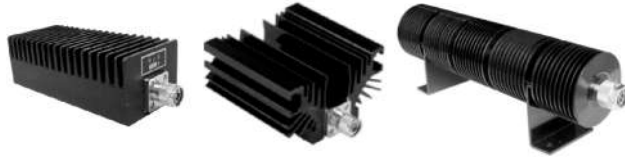


Imported N (M) High Power Loads, 250W

INDE®

Frequency: DC ~ 18 GHz

P/N: IHP-??-250.. 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-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

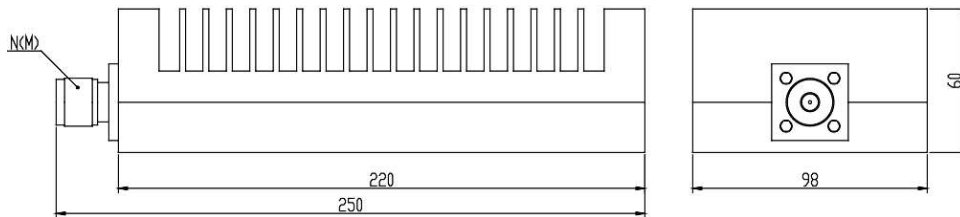


Fig 1

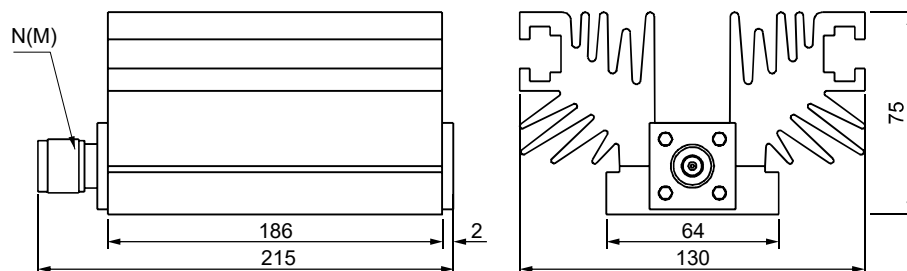


Fig 2

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N

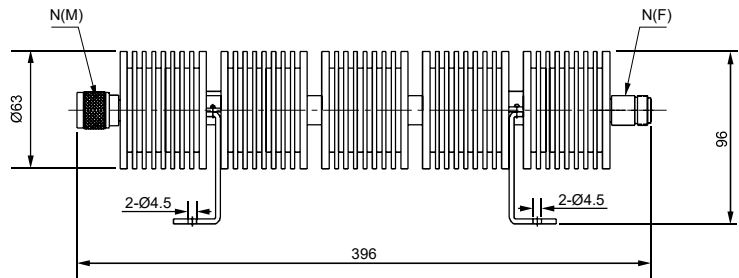
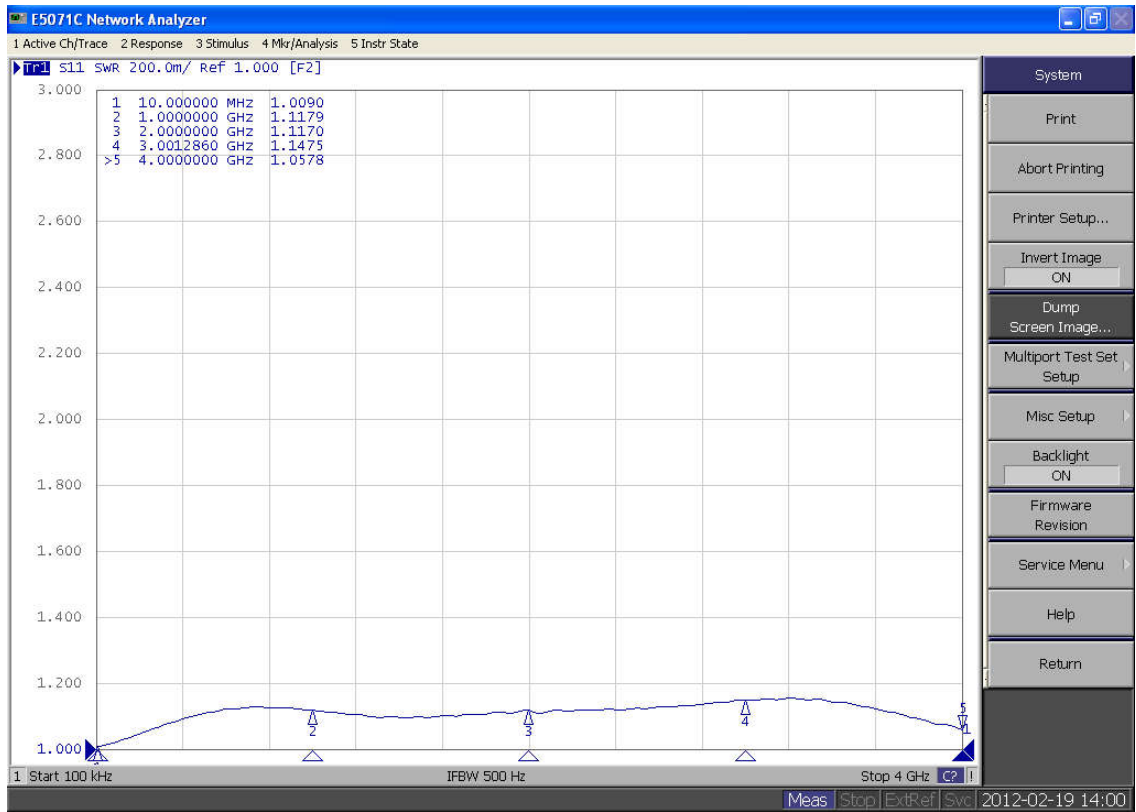


Fig 3

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



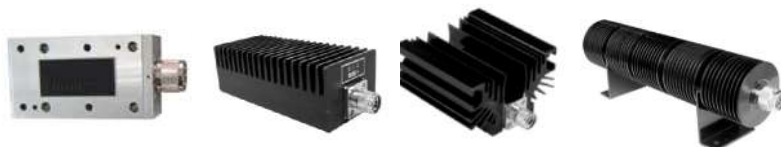
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Imported N (M) High Power Loads, 300W

INDE®

Frequency: DC ~ 18 GHz

P/N: IHP-??-300.. Series



Impedance : 50 Ω

Operating Temp : -55°C ~ 85°C

Conduction Cooled

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

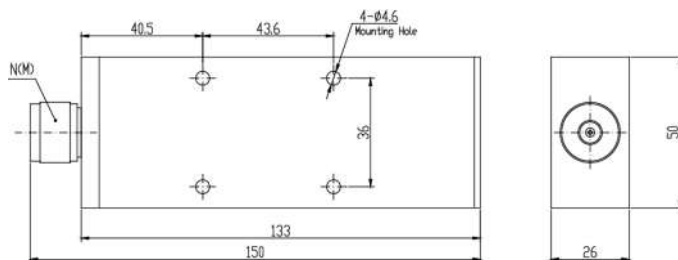


Fig 1

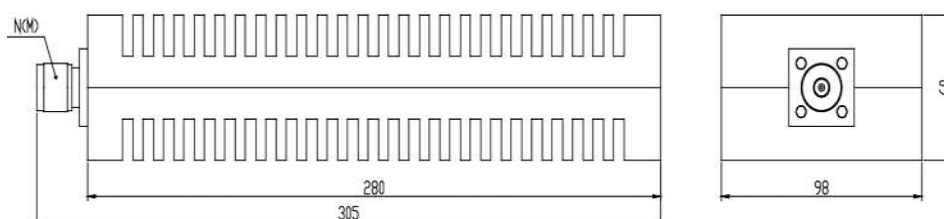


Fig 2

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N

Imported N (M) High Power Loads, 300W

Frequency: DC ~ 18 GHz

P/N: IHP-??-300.. Series

INDE®

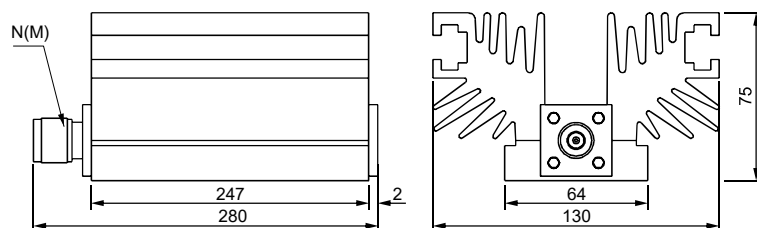


Fig 3

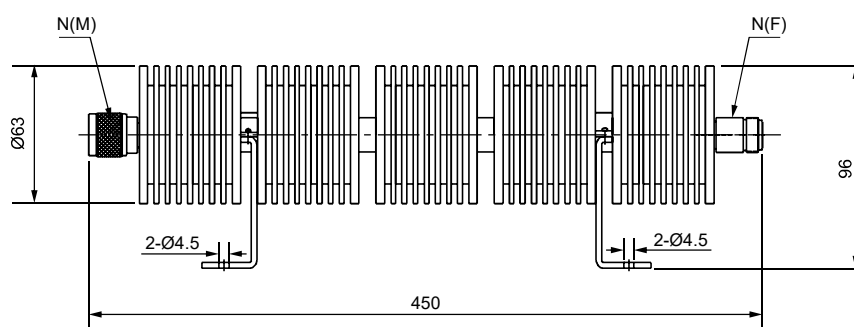
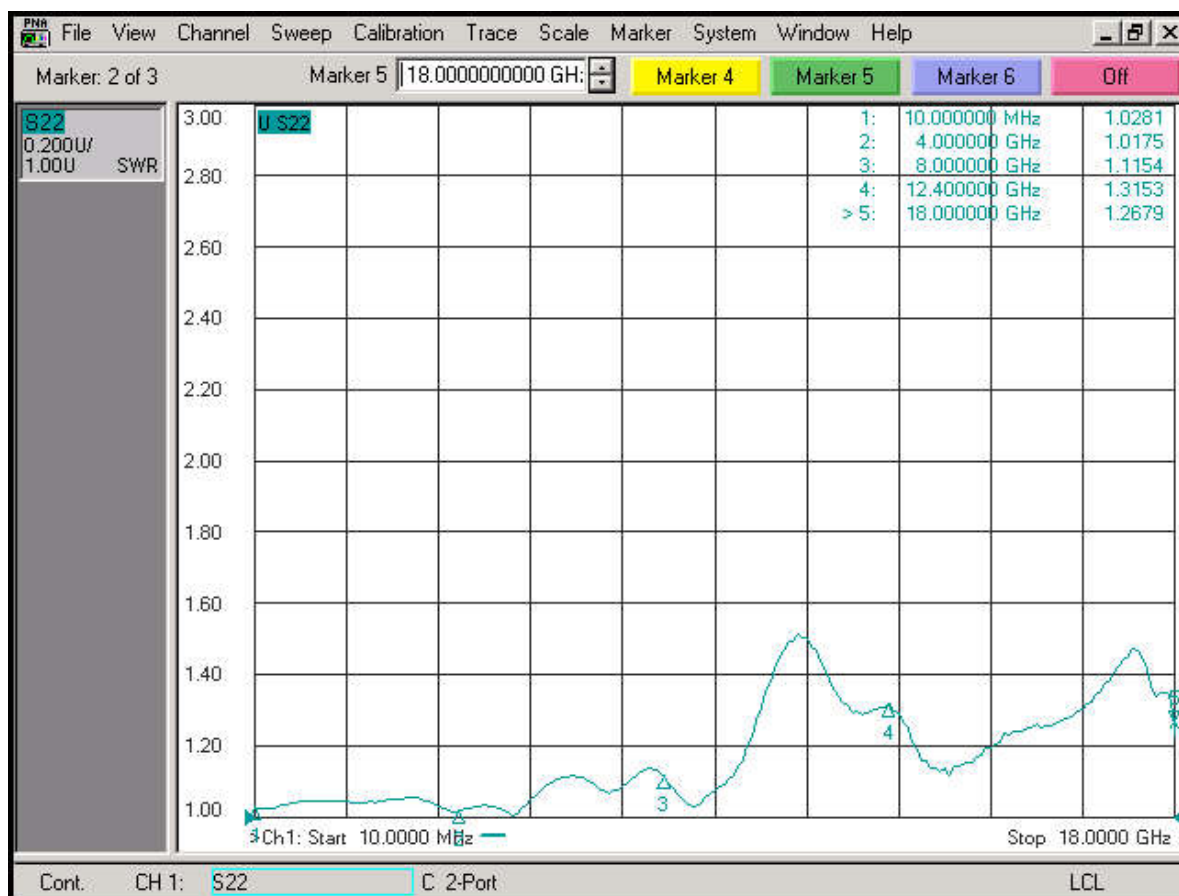


Fig 4

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



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N

Imported N (M) High Power Loads, 500W

INDE®

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.

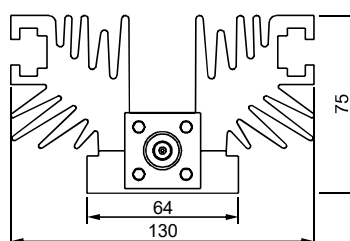
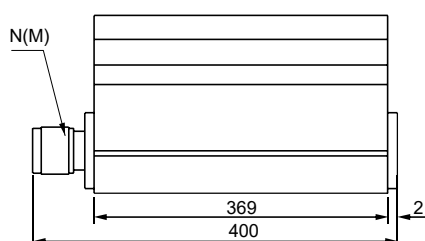


Fig 1

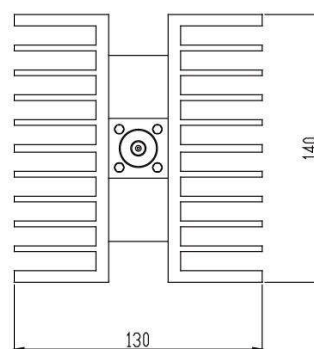
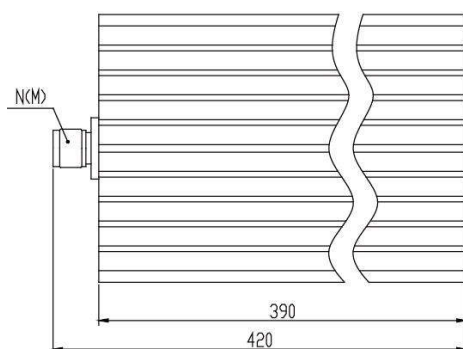


Fig 2

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

