



ANYWAVE

PRODUCT CATALOG

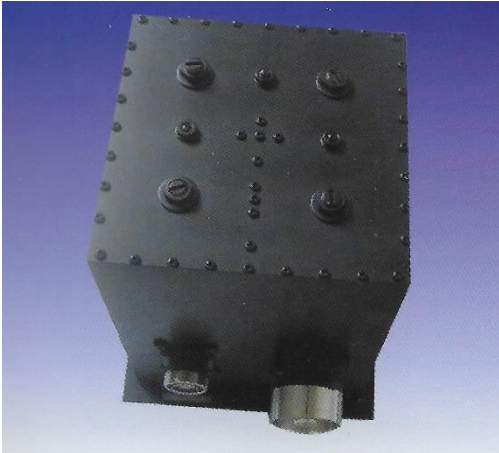


**RF
COMPONENTS**



Specifications

300W VHF 4 POLE FILTER (ATV)



Model	BPF-VIII-4-300	
Part Number	2000511.01	
Frequency Range	170 ~ 230 MHz	
Power Capability	300W Average	
Bandwidth	6, 7, and 8 MHz	
Insertion Loss	170MHz	230MHz
f(0)	$3 \leq 0.25\text{dB}$	$\leq 0.3\text{dB}$
f(0) +/- 8 MHz	$\leq 15\text{dB}$	$\leq 15\text{dB}$
f(0) +/- 12 MHz	$\geq 40\text{dB}$	$\geq 40\text{dB}$
VSWR	≤ 1.1	
Temperature Stability	$\leq 1\text{KHz/K}$	
Operating Temperature	$-10\text{ }^\circ\text{C} \sim +50\text{ }^\circ\text{C}$	
Operating Humidity	5% ~ 95%	
Connectors	DIN 7/16 and EIA 1 5/8"	
Dimensions	175 x 175 x 229mm (6.9" x 6.9" x 9.0")	
Weight	5kg (11LBS)	

Features

- Tunable within entire VHF range
- Temperature Compensated
- High Q Coax Technique
- Low Loss
- Customization available

Specifications

600W VHF 6 POLE FILTER (ATV / DTV)



Model	BPF-VIII-4-300
Part Number	200515.01
Number of Poles	6
Frequency Range	56 ~ 84 MHz
Power Capability	1500W Average
Bandwidth	6, 7, and 8 MHz
Insertion Loss	
f(0)	≤ 0.35dB
f(0) +/- 3 MHz	≤ 0.7dB
f(0) +/- 4 MHz	≥ 5.9dB
f(0) +/- 4.5 MHz	≥ 11.7dB
f(0) +/- 5 MHz	≥ 18dB
f(0) +/- 5.5 MHz	≥ 25dB
f(0) +/- 6 MHz	≥ 30dB
f(0) +/- 9 MHz	≥ 55dB
In Band Response	≤ 0.55dB
VSWR	≤ 1.15
Group Delay	≤ 200nS
Temperature Stability	≤ 1KHz / K
Coupler (if applicable)	50 +/- 0.5dB
Operating Temperature	-25 °C ~ +75 °C
Operating Humidity	5% ~ 95%
Connectors	EIA 1 5/8"
Dimensions	822 x 517 x 400mm (33" x 20" x 16")
Weight	25kg (55LBS)

Features

- Tunable within entire VHF range
- Temperature Compensated
- High Q Coax Technique
- Low Loss
- Customization available

Specifications

1kW VHF 4 POLE FILTER (ATV)



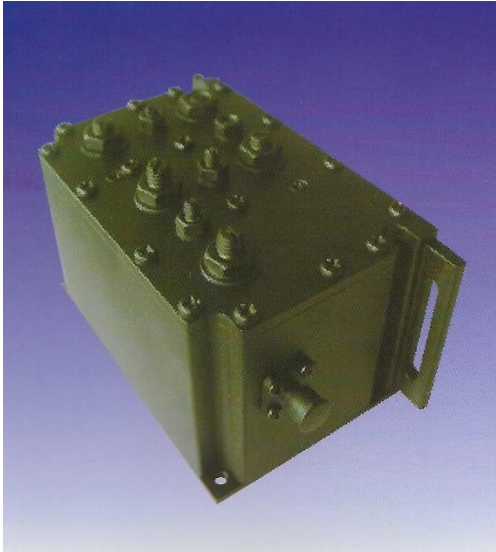
Features

- Tunable within entire VHF range
- Temperature Compensated
- High Q Coax Technique
- Low Loss
- Customization available

Model	BPF-VIII-4-1K	
Part Number	200520.01	
Frequency Range	170 ~ 230 MHz	
Power Capability	1000W Average	
Bandwidth	6, 7, and 8 MHz	
Insertion Loss	170MHz	230MHz
f(0)	3 ≤ 0.2dB	≤ 0.25dB
f(0) +/- 8 MHz	≤ 15dB	≤ 15dB
f(0) +/- 12 MHz	≥ 40dB	≥ 40dB
VSWR	≤ 1.1	
Temperature Stability	≤ 1KHz/K	
Operating Temperature	-10 °C ~ +50 °C	
Operating Humidity	5% ~ 95%	
Connectors	DIN 7/16 and EIA 1 5/8"	
Dimensions	212 x 212 x 608mm (8.3" x 8.3" x 24")	
Weight	5kg (11LBS)	

Specifications

10W UHF 5 POLE FILTER (DTV)



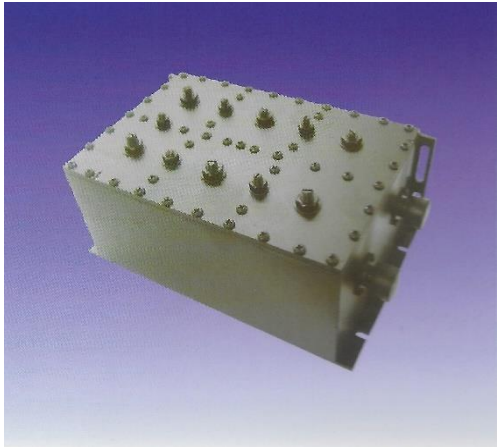
Model	BPF-U-5-10
Part Number	200543.04
Frequency Range	470 ~ 862 MHz
Power Capability	10W Average
Bandwidth	6, 7, and 8 MHz
Insertion Loss	
f(0)	≤ 1.2dB
f(0) +/- 8 MHz	≤ 1.4dB
f(0) +/- 12 MHz	≥ 35dB
VSWR	≤ 1.15
Temperature Stability	≤ 400KHz/K
Operating Temperature	-25 °C ~ +75 °C
Operating Humidity	5% ~ 95%
Connectors	SMA-F
Dimensions	91 x 62 x 56mm (3.6" x 2.4" x 2.2")
Weight	<3kg (6.6LBS)

Features

- Tunable within entire VHF range
- Temperature Compensated
- High Q Coax Technique
- Low Loss
- Customization available

Specifications

50W UHF 6 POLE FILTER (DTV)



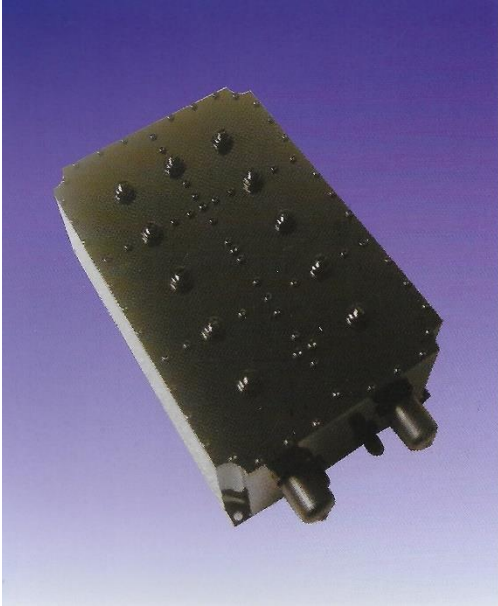
Features

- Suitable for ATV and DTV
- Tunable within entire UHF range
- Temperature Compensated
- High Q Coax Technique
- Low Loss and VSWR
- Customization available

Model	BPF-U-6-50
Part Number	200543.01
Frequency Range	470 ~ 806 MHz
Power Capability	50W Average
Bandwidth	6, 7, and 8 MHz
Insertion Loss	
f(0)	≤ 0.9dB
f(0) +/- 3.8 MHz	≤ 1.6dB
f(0) +/- 6.0 MHz	≤ 1.8dB
f(0) +/- 12 MHz	≥ 40dB
VSWR	≤ 1.2
Group Delay Ripple	≤ 250nS
Directional Coupler	50 +/- 0.5dB
Operating Temperature	-20° C ~ +75° C
Connectors	'N' Type
Dimensions	180 x 260 x 100mm (7.1" x 10" x 4")
Weight	<3.8kg (8.4LBS)

Specifications

100W UHF 6 POLE FILTER (DTV)



Features

- Suitable for ATV and DTV
- Tunable within entire UHF range
- Temperature Compensated
- High Q Coax Technique
- Low Loss and VSWR
- Customization available

Model	BPF-U-6-100
Part Number	200501.01
Frequency Range	470 ~ 806 MHz
Power Capability	100W Average
Bandwidth	6, 7, and 8 MHz
Insertion Loss	
f(0)	≤ 0.9dB
f(0) +/- 3.8 MHz	≤ 1.6dB
f(0) +/- 6.0 MHz	≤ 1.8dB
f(0) +/- 12 MHz	≥ 40dB
VSWR	≤ 1.2
Group Delay Ripple	≤ 250nS
Directional Coupler	50 +/- 0.5dB
Operating Temperature	-20° C ~ +60° C
Connectors	'N' Type
Dimensions	210 x 320 x 130mm (8.3" x 13" x 5.1")
Weight	<4.5kg (9.9LBS)

Specifications

200W UHF 6 POLE FILTER (DTV)



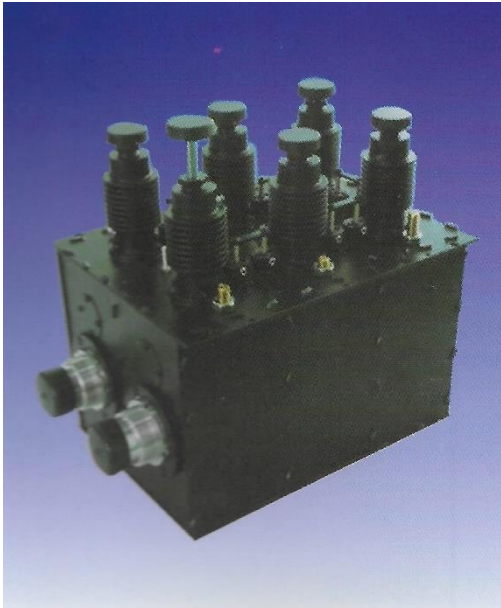
Features

- Suitable for ATV and DTV
- Tunable within entire UHF range
- Temperature Compensated
- High Q Coax Technique
- Low Loss and VSWR
- Customization available

Model	BPF-U-6-200
Part Number	200507.01
Frequency Range	470 ~ 806 MHz
Power Capability	200W Average
Bandwidth	6, 7, and 8 MHz
Insertion Loss	
f(0)	≤ 0.6 ~ 0.7dB
f(0) +/- 3.8 MHz	≤ 1.4dB
f(0) +/- 6.0 MHz	≤ 35dB
f(0) +/- 12 MHz	≥ 40dB
VSWR	≤ 1.2
Group Delay Ripple	≤ 250nS
Directional Coupler	50 +/- 0.5dB
Operating Temperature	-15° C ~ +65° C
Connectors	7-16 DIN Type
Dimensions	250 x 380 x 190mm (9.8" x 15" x 7.5")
Weight	<5kg (11LBS)

Specifications

500W UHF 6 POLE FILTER (DTV)



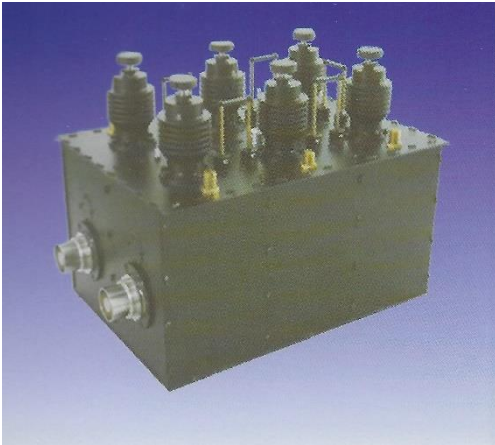
Features

- Suitable for ATV and DTV
- Two filters required for UHF range
- Temperature Compensated
- High Q Coax Technique
- Low Loss and VSWR
- Customization available

Model	BPF-U-6-500	
Part Number	200513.01	
Frequency Range	470 ~ 862 MHz	
Power Capability	500W Average	
Bandwidth	6, 7, and 8 MHz	
Insertion Loss	474MHz	862MHz
f(0)	≤ 0.45dB	≤ 0.7dB
f(0) +/- 3.8 MHz	≤ 1.0dB	≤ 1.4dB
f(0) +/- 4.2 MHz	≥ 4.2dB	≥ 4.2dB
f(0) +/- 6 MHz	≥ 20dB	≥ 20dB
f(0) +/- 12 MHz	≥ 35dB	≥ 40dB
VSWR	≤ 1.1	
Group Delay Ripple	≤ 250nS	
Directional Coupler	50 +/- 0.5dB	
Operating Temperature	-15° C ~ +65° C	
Temperature Stability	≤ 2KHz/k	
Connectors	7-16 DIN Type (1 5/8" EIA optional)	
Dimensions	264 x 234 x 372mm (10.4" x 9" x 15")	
Weight	<4kg (8.8LBS)	<6kg (12.8LBS)

Specifications

1kW UHF 6 POLE FILTER (DTV)



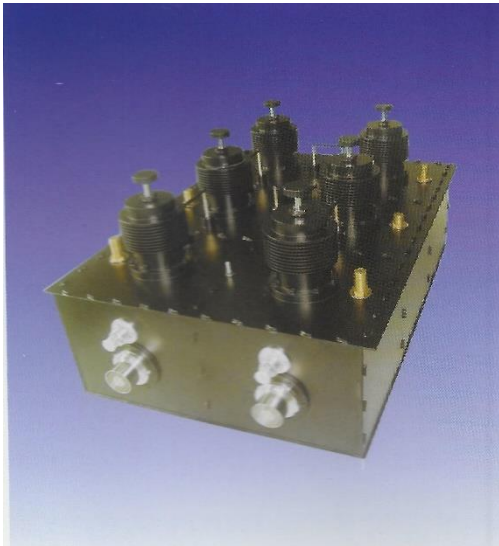
Features

- Suitable for ATV and DTV
- Tunable within entire UHF range
- Temperature Compensated
- High Q Coax Technique
- Low Loss and VSWR
- Customization available

Model	BPF-U-6-1KW	
Part Number	200519.01	
Frequency Range	470 ~ 862 MHz	
Power Capability	1000W Average	
Bandwidth	6, 7, and 8 MHz	
Insertion Loss	470MHz	862MHz
f(0)	≤ 0.35dB	≤ 0.5dB
f(0) +/- 3.8 MHz	≤ 0.9dB	≤ 1.5dB
f(0) +/- 4.2 MHz	≥ 4dB	≥ 4dB
f(0) +/- 6.0 MHz	≤ 35dB	≤ 35dB
f(0) +/- 12 MHz	≥ 40dB	≤ 40dB
VSWR	≤ 1.2	
Group Delay Ripple	≤ 300nS	
Directional Coupler	50 +/- 0.5dB	
Operating Temperature	-10° C ~ +50° C	
Operating Humidity	5% ~ 95%	
Connectors	1 5/8" EIA Type	
No. of Poles/Cavities	6	
Dimensions	335 x 466 x 416mm (13" x 18.5" x 17")	
Weight	<20kg (44LBS)	

Specifications

3kW UHF 6 POLE FILTER (DTV)



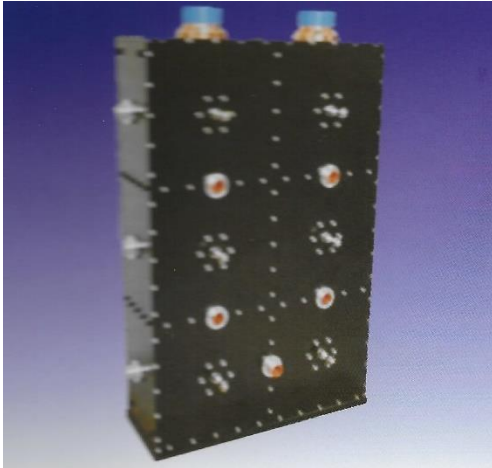
Model	BPF-U-6-3KW	
Part Number	200537.01	
Frequency Range	470 ~ 862 MHz	
Power Capability	3000W Average	
Bandwidth	6, 7, and 8 MHz	
Insertion Loss	474MHz	862MHz
f(0)	≤ 0.35dB	≤ 0.35dB
f(0) +/- 3.8 MHz	≤ 0.9dB	≤ 0.9dB
f(0) +/- 6.0 MHz	≤ 35dB	≤ 35dB
f(0) +/- 12 MHz	≥ 40dB	≥ 40dB
VSWR	≤ 1.2	
Group Delay Ripple	≤ 300nS	
Directional Coupler	50 +/- 0.5dB	
Temperature Stability	≤ 2KHz/k	
Operating Temperature	-10° C ~ +50° C	
No. of Poles/Cavities	6	
Connectors	1/ 5/8 EIA DIN Type	
Dimensions	479 x 851 x 410mm (19" x 34" x 16.2")	
Weight	<59kg (130LBS)	

Features

- Suitable for ATV and DTV
- Tunable within entire UHF range
- Temperature Compensated
- High Q Coax Technique
- Low Loss and VSWR
- Customization available

Specifications

5kW UHF 6 POLE FILTER (DTV)



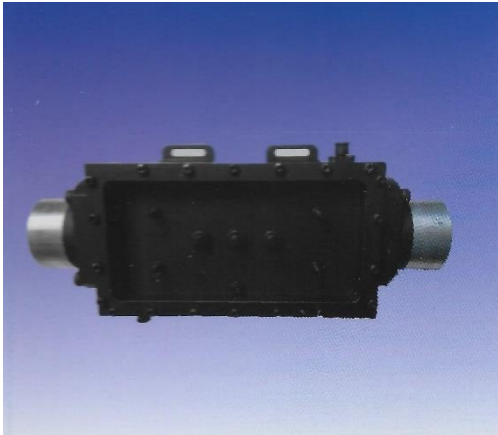
Model	BPF-U-6-5KW	
Part Number	200540.01	
Frequency Range	470 ~ 862 MHz	
Power Capability	5000W Average	
Bandwidth	6, 7, and 8 MHz	
Insertion Loss	474MHz	862MHz
f(0)	≤ 0.15dB	≤ 0.4dB
f(0) +/- 3.8 MHz	≤ 0.2dB	≤ 0.4dB
f(0) +/- 6.0 MHz	≤ 15dB	≤ 15dB
f(0) +/- 12 MHz	≥ 20dB	≥ 20dB
VSWR	≤ 1.1	
Group Delay Ripple	≤ 300nS	
Directional Coupler	50 +/- 0.5dB	
Temperature Stability	≤ 2KHz/k	
Operating Temperature	-10° C ~ +50° C	
No. of Poles/Cavities	6	
Connectors	3 1/8" EIA Type	
Dimensions	368 x 234 x 372mm (15" x 9" x 14.6")	
Weight	<49kg (108LBS)	

Features

- Suitable for ATV and DTV
- Tunable within entire UHF range
- Temperature Compensated
- High Q Coax Technique
- Low Loss and VSWR
- Customization available

Specifications

Directional Coupler (7-16 DIN)



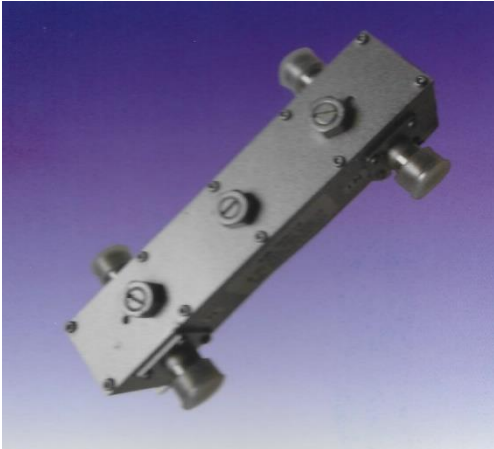
Model	DC-716-2
Part Number	200802.01 and 200803.01
Frequency Range	470 - 806 MHz
Power Capability	2000W Average
Coupling Sensitivity	50dB +/- 0.5dB
Directionality	≥21dB
Insertion Loss	≤ 0.1dB
Temperature Stability	≤ 1KHz/k
Operating Temperature	-30° C ~ +70° C
Coupler Connector Type	'N' Type (others upon request)
Input/Output Connector	7-16 DIN Type
Dimensions	152 x 82 x 48mm (6" x 3.5" x 2")
Weight	<2kg (4.4LBS)

Features

- Suitable for ATV and DTV
- Broadband 470-862 MHz
- High Power Capability
- Excellent Directivity
- Accurate Sensitivity
- Customization available

Specifications

UHF 300W 3dB Hybrid



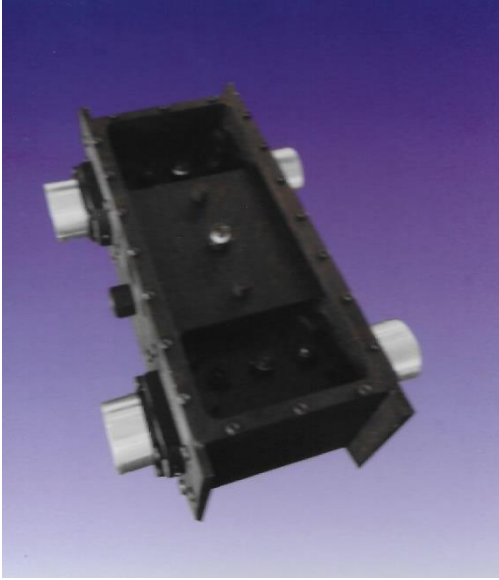
Model	3DBH-300
Part Number	200808.01
Frequency Range	470 - 806 MHz
Power Capability	300W Average
Insertion Loss	$\leq 0.25\text{dB}$
Attenuation	$\geq 26\text{dB}$
VSWR	$\leq 1:1.1$
Coupling Factor	3 +/- 0.1dB
Impedance	50 Ω
Temperature Range	-30° C ~ +70° C
Operational Humidity	5% ~ 95%
Dimensions	174 x 33 x 50mm (7" x 1.3" x 2")

Features

- Suitable for ATV and DTV
- Tunable within entire UHF band
- Temperature Compensated
- High Q Coax Technique
- Low Insertion Loss and VSWR
- Customization available

Specifications

UHF 500W – 20kW 3dB Hybrid



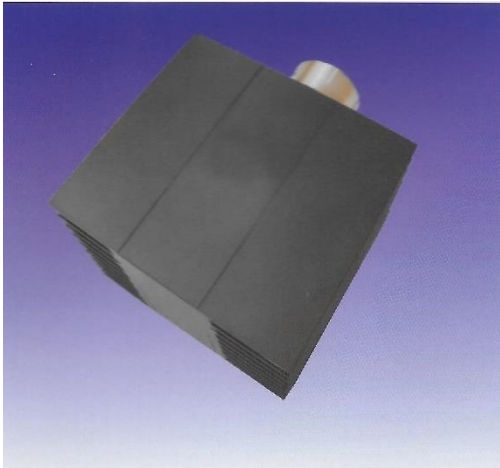
Model	3DBH-1K / 3DBH-10k / 3DBH-20K		
Part Number	200809.01		
Configuration	Coupled Stripline		
Frequency Range	470 - 806 MHz		
Input Power	1kW	10kW	20kW
VSWR	≤ 1.1	≤ 1.1	≤ 1.1
Isolation between inputs	≥ 32dB	≥ 32dB	≥ 32dB
Coupling Factor	3 +/- 0.1dB	3 +/- 0.1dB	3 +/- 0.1dB
Connectors	1 5/8" EIA	3 1/8" EIA	4 1/2" EIA
Temperature Range	-10° C ~ +50° C		
Operational Humidity	5% ~ 95%		
Dimensions - mm	220x75x135	345x135x205	345x135x205
Dimensions - inches	8.7x3x5.3	14x5.3x8.1	14x5.3x205

Features

- Suitable for ATV and DTV
- Tunable within entire UHF band
- Temperature Compensated
- High Q Coax Technique
- Low Insertion Loss and VSWR
- Customization available

Specifications

Dummy Load -100 – 800W



Model	DL-100 / DL-200 / DL-800		
Part Number	200501.01, 200502.01 and 200503.01		
Frequency Range	DC - 806 MHz		
Input Power	100W	200W	800W
VSWR	≤ 1.05		
Impedance	50 Ω		
Connectors	N Type	7-16 DIN	1 5/8" EIA
Temperature Range	-10° C ~ +50° C		
Operational Humidity	5% ~ 95%		
Dimensions	160 x 120 x 90mm (6.3" x 5" x 3.5")		

Features

- Suitable for ATV and DTV
- Broadband Performance
- No external cooling required
- Low VSWR

Specifications

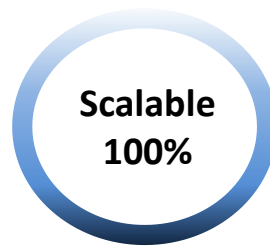
Air Cooled Dummy Load -1000W



Model	DL-1000
Part Number	200504.01
Frequency Range	DC - 806 MHz
Input Power	1000W Average
VSWR	≤ 1.1
Impedance	50 Ω
Connectors	1 5/8" EIA
Temperature Range	-20° C ~ +60° C
Operational Humidity	5% ~ 95%
Dimensions	560 x 198 x 215mm (22" x 7.8" x 8.5")

Features

- Suitable for ATV and DTV
- Broadband Performance
- No external cooling required
- Low VSWR



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Specification details subject to change without notice

RFCOM-3-25