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MÜHENDİSLİK DANIŞMANLIK BİLİŞİM TAAHHÜT TİCARET LTD.ŞTİ.

## HD Communications Corp.

HD Communications Corp. offers an extensive range of Wireless Network Products for the RF, Microwave, Wireless broadband, WISP, Wlan, and Communication markets. Our technical staff has been serving the electronics, and communication industry for more than 30 years.



Professional Design & Distribution Of  
Wireless Solutions



-Technical Support Before, During & After The Sale-

## RF Microwave Amplifier Selection Guide



12 Vdc amplifiers for Amateur and Satellite Radio, from 10 MHz to 7 GHz with Gain from 10 dB to 40 dB.



Bi-Directional amplifiers for increasing cellular telephone range



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[Multi - Carrier Linear Power Amplifiers AMPS/ CDMA/ TDMA/ GSM \( HD14042 To HD14940\)](#)



[TWT Amplifiers, Traveling Wave Tube Amplifiers from 1 Ghz to 18 GHz from 10 to 60 Watts  
CW](#)



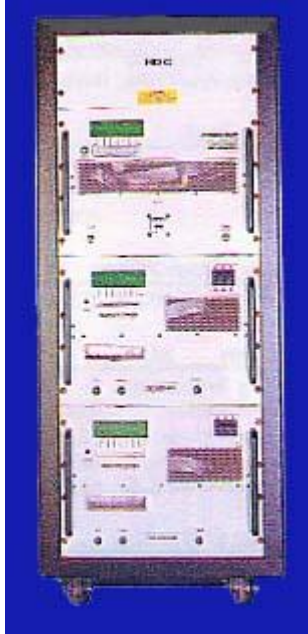


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[TWT Amplifiers, Traveling Wave Tube Amplifiers from 1 Ghz to 18 GHz from 100 to 500 Watts CW](#)



[TWT Amplifiers, Traveling Wave Tube Amplifiers from 1 Ghz to 18 GHz from 1.0](#)



[TWT Amplifiers, Traveling Wave Tube Amplifiers from 18 Ghz to 40 GHz from 5.0 to 150 Watts CWKw to 2.0Kw CW](#)



[2.4 GHz Bi-Directional Amplifiers for Wireless lan Indoor/Outdoor applications](#)



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[5.8 GHz Bi-Directional Amplifiers For Wireless Lan Indoor/Outdoor Applications](#)



[20 MHz to 20 GHz Multi Octave & Ultra Wideband Amplifiers](#)



[Low to Medium Power Solid State Amplifiers from 1 MHz to 10GHz Gain of 13dB to 40 dB Including our HD24223 100MHz to 10 Ghz Amplifier](#)



[2.0 to 4.0 GHz Narrow Band Amplifiers 10 to 50 DB Gain](#)



[1.0 to 3.0 GHz Wide Band Amplifiers 13 to 55 dB Gain](#)

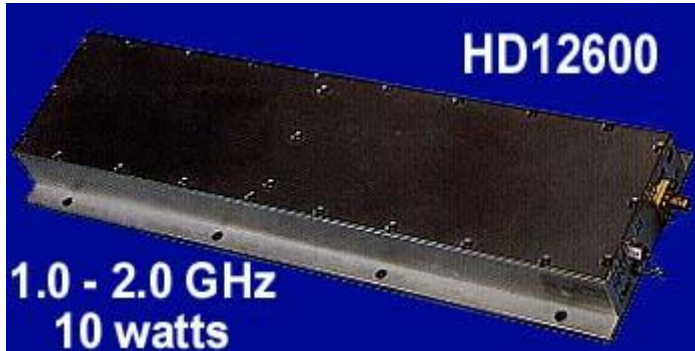


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[5.8 GHz 30 watt solid state power amplifiers circulator protected](#)



[Wideband Solid State Class A Amplifier modules 1-2000 MHz/2-50 Watts @ 1dB](#)



[Wideband Solid State Class A Test and Laboratory Amplifiers 1-2000 MHz/2-100 W benchtop and rackmount](#)



[Solid State Class A Amplifiers 0.5-26.5 GHz Medium Power \( HD12495 To HD12512 \)](#)



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[Solid State High Power Class A/B Amplifiers in a Rack Mount Cabinet with power supply](#)



[Pulse Amplifiers from 1.0 to 18 Ghz from 200 Watts up to 8 Kw](#)



## Traveling Wave Tube Microwave Amplifiers



1.0 To 18 GHz

For

MIL-STD-461/462, RTCA/DO-160, SAE Specifications, and Bellcore Testing



Model #	Frequency Range (Ghz)	Min Pwr Out (watts)	Min Sat Gain (dB)	Max NF (dB)
HD18258	1.0 - 18	10	40	35
HD18270	1.0 - 18	20	43	35
HD18271	2.0 - 8.0	20	43	35
HD18283	2.0 - 8.0	50	47	35
HD18259	4.0 - 8.0	10	40	35



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HD18272	4.0 - 8.0	20	43	35
HD18284	4.0 - 8.0	50	47	35
HD18262	4.0 - 18	10	40	35
HD18273	4.0 - 18	20	43	35
HD18274	4.0 - 18	25	44	35
HD18263	6.0 - 18	10	40	35
HD18275	6.0 - 18	20	43	35
HD18285	6.0 - 18	40	46	35
HD18288	6.0 - 18	50	47	35
HD18289	6.0 - 18	60	47	35
HD18260	8.0 - 12	10	40	35
HD18278	8.0 - 12	20	43	35
HD18291	8.0 - 12	50	47	35
HD18264	8.0 - 18	10	40	35
HD18276	8.0 - 18	20	43	35
HD18286	8.0 - 18	40	46	35
HD18287	8.0 - 18	50	47	35
HD18261	12 - 18	10	40	35
HD18277	12 - 18	20	43	35
HD18290	12 - 18	50	47	35





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## Test and Laboratory RF Microwave Amplifiers



**Solid State RF Amplifiers 2-500 Watts from 0.15 to 4200 MHz**



**Bench Top Model With Front Panel Gain Adjust**



**Rack Mount Model With Optional IEEE & Display**



## BROADBAND RF SYSTEMS

HD Part Number	Frequency Range START (MHz)	Frequency Range STOP (MHz)	Power Output @ 1 dB Comp. Min. (Watt)	Power Output CW Min. (Watt)	Small Signal Gain Min. (dB)	Gain Flatness	Noise Figure Max.	Supply Voltage	Power Consumption Watts AC Max	Style see "Style Options" below
<a href="#">HD17142-10</a>	0.15	230	7	10	40	1.5	10	100-240	100	B2U
<a href="#">HD17142-25</a>	0.15	230	15	25	44	1.5	10	100-240	160	B2U
<a href="#">HD17142-50</a>	0.15	230	30	50	46	1.5	10	100-240	400	R2U
<a href="#">HD19486</a>	0.15	230	50	75	48	1.5	10	100-240	400	R2U
<a href="#">HD19013</a>	0.15	1000	1	2	32	1.5	10	100-240	40	B2U
<a href="#">HD20365</a>	0.5	1000	7	10	40	1.5	10	100-240	100	B2U
<a href="#">HD19934</a>	1	250	12	25	44	1.5	10	100-240	80	B2U
<a href="#">HD17851</a>	1	500	8	10	40	1.5	10	100-240	100	B2U
<a href="#">HD19455</a>	1	500	20	30	44	1.5	10	100-240	220	B2U
<a href="#">HD14923</a>	1	1000	12	25	46	1.5	10	100-240	150	B2U
<a href="#">HD17916</a>	1	1000	30	50	46	1.5	10	100-240	500	R3U
<a href="#">HD18859</a>	10	1000	12	25	44	1.5	10	100-240	150	B2U
<a href="#">HD18988</a>	20	1000	30	50	46	1.5	10	100-240	500	R3U
<a href="#">HD14717</a>	20	1000	80	120	52	2.0	10	180-260	1800	R5U
<a href="#">HD17905</a>	400	1000	7	10	40	1.5	10	100-240	100	B2U
<a href="#">HD19456</a>	400	1000	15	25	44	1.5	10	100-240	150	B2U
<a href="#">HD17095</a>	400	1000	30	50	46	1.5	10	100-240	250	B2U
<a href="#">HD19603</a>	800	2000	40	50	46	1.5	10	100-240	400	R2U
<a href="#">HD18462-12</a>	800	2500	12	15	42	1.5	10	100-240	100	B2U
<a href="#">HD18462-25</a>	800	2500	25	30	44	2.0	10	100-240	250	R2U
<a href="#">HD18462-50</a>	800	2500	50	60	48	2.0	10	100-240	500	R3U
<a href="#">HD18462-100</a>	800	2500	100	120	52	2.0	10	100-240	1000	R5U
<a href="#">HD20357</a>	800	3000	20	25	44	1.5	10	100-240	250	R2U
<a href="#">HD17954-8</a>	800	4200	6	8	38	1.5	10	100-240	65	B2U
<a href="#">HD17954-15</a>	800	4200	10	15	42	2.0	10	100-240	150	B2U
<a href="#">HD17954-25</a>	800	4200	20	25	44	2.0	10	100-240	240	R2U
<a href="#">HD17954-50</a>	800	4200	40	50	46	2.0	10	100-240	450	R3U
<a href="#">HD17954-100</a>	800	4200	70	100	50	2.0	10	100-240	900	R5U
<a href="#">HD19258</a>	1000	2000	5	7	36	1.5	10	100-240	45	B2U
<a href="#">HD17490</a>	1000	2000	10	15	40	1.5	10	100-240	100	B2U
<a href="#">HD17491</a>	1000	2000	20	25	44	1.5	10	100-240	200	R2U
<a href="#">HD17437</a>	1000	2000	40	50	46	1.5	10	100-240	300	R2U
<a href="#">HD14879</a>	1000	2000	80	100	50	1.5	10	180-260	600	R3U
<a href="#">HD17439</a>	1000	2000	120	150	52	2.0	10	180-260	1200	R3U



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<a href="#">HD17438</a>	1000	2000	160	200	52	1.5	10	180-260	2500	R5U
<a href="#">HD20366</a>	1000	2500	4	5	36	1.5	10	100-240	50	B2U
<a href="#">HD14919-10</a>	1000	3000	8	10	40	1.5	10	100-240	100	B2U
<a href="#">HD14919-50</a>	1000	3000	40	50	46	2.0	10	100-240	500	R3U
<a href="#">HD14919-100</a>	1000	3000	70	100	50	2.0	10	100-240	1000	R5U
HD18875	1800	3700	<a href="#">contact us</a>	50	46	<a href="#">contact us</a>	10	<a href="#">contact us</a>	400	R3U
<a href="#">HD17925</a>	2000	4000	6	8	38	1.5	10	100-240	45	B2U
HD17926	2000	4000	<a href="#">contact us</a>	15	42	<a href="#">contact us</a>	10	<a href="#">contact us</a>	150	B2U
<a href="#">HD18415</a>	2000	4000	20	25	44	1.5	10	100-240	250	R2U
<a href="#">HD18839</a>	2000	4000	40	50	46	1.5	10	100-240	400	R3U
<a href="#">HD17935</a>	2000	4000	80	100	50	2.0	10	100-240	800	R5U

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## STYLE OPTIONS

<b>B2U</b>	Bench Top 2U - 8.5" x 3.5" x 16"
<b>B3U</b>	Bench Top 3U - 8.5" x 5.25" x 16"
<b>R2U</b>	Rack Mount 2U - 19" x 3.5" x 18"
<b>R3U</b>	Rack Mount 3U - 19" x 5.25" x 22"
<b>R4U</b>	Rack Mount 4U - 19" x 7" x 22"
<b>R5U</b>	Rack Mount 5U - 19" x 8.75" x 22"
<b>R6U</b>	Rack Mount 6U - 19" x 10.5" x 22"