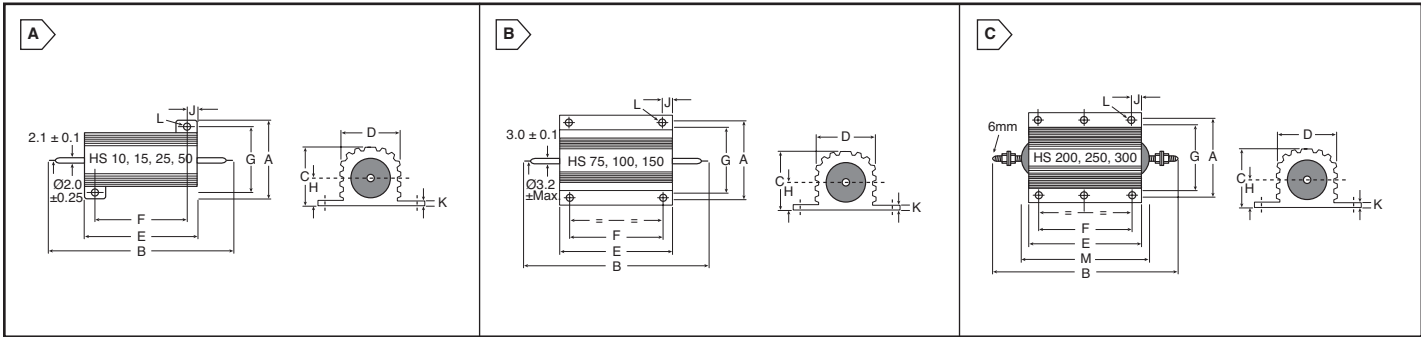
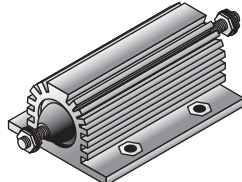


ARCOL Aluminum Housed Wirewound Power Resistors - 10W to 300W



Arcol Type	Fig.	Dimensions: mm											
		A max.	B max.	C max.	D max.	E max.	F ± 0.3	G ± 0.3	H max.	J max.	K max.	L ± 0.25 †	M max.
HS10	A	16.5	30.0	8.8	8.5	15.9	11.3	12.4	4.5	2.4	1.8	2.4	---
HS15	A	21.0	36.5	11.0	11.2	19.9	14.3	15.9	5.5	2.8	1.8	2.4	---
HS25	A	28.0	51.0	14.6	14.0	27.3	18.3	19.8	7.3	4.7	2.6	3.2	---
HS50	A	29.7	72.5	14.8	14.2	49.1	39.7	21.4	8.5	5.2	2.6	3.2	---
HS75	B	47.5	72.0	24.1	27.3	48.7	29.0	37.0	11.8	10.4	3.7	4.4	---
HS100	B	47.5	88.0	24.1	27.3	65.2	35.0	37.0	11.8	15.4	3.7	4.4	---
HS150	B	47.5	121.0	24.1	27.3	97.7	58.0	37.0	11.8	20.4	3.7	4.4	---
HS200	C	72.5	145.7	41.8	45.5	89.7	70.0	57.2	20.0	10.4	5.5	5.1	103.4
HS250	C	72.5	167.0	41.8	45.5	109.7	89.0	57.2	20.0	10.4	5.5	5.1	122.4
HS300	C	72.5	184.4	41.8	45.5	127.7	104.0	59.0	20.0	10.4	5.5	6.6	141.4

200 ~ 300 Watts is ± .45



Inductive Series

- Tolerance: 1% (1Ω or higher); 5% (less than 1Ω)



0.1	0.68	4.0	22	68	470	3.3K
0.15	0.82	4.7	25	75	500	4.7K
0.22	1.0	5.0	27	100	560	5K
0.27	1.5	8.0	30	120	680	10K
0.33	2.0	7.5	33	150	1K	20K
0.47	2.2	10	40	200	1.5K	25K
0.5	2.7	15	47	220	2K	50K
0.51	3.0	16	50	250	2.2K	
0.56	3.3	20	56	330	3K	

Features:

- Anodized aluminum housing ensures good humidity seal
- Designed for chassis or heat-sink mounting for maximum heat dissipation
- Terminations are silver plated
- Solder, cable, threaded, or fast-on terminations
- High level voltage protection
- Standard terminations: 10-150 watt solder terminations; 200-300 watt threaded terminations
- Non-standard ohmic values available

Specifications:

- Insulation resistance: 10GΩ
- Dielectric strength: 1000VAC peak (10-15W); 2500VAC (25-50W); 5000VAC (100-300W)
- Resisting element: copper-nickel alloy, or nickel chrome alloy
- Housing: anodized aluminum
- Core material: ceramic steatite
- Low inductance and special terminations available
- NHS - Low inductance series
- ISO 9001 (1994)
- Transfer molding process insures a good humidity seal and permanent compression fit of the concentric resistive element

Heat Dissipation:

While the use of proprietary heat sinks with lower thermal resistance is acceptable, uprating is not recommended. For maximum heat transfer it is recommended that a heat sink compound be applied between the resistor base and heat sink/chassis mounting surface. It is essential that the maximum hot spot temperature of 200°C is not exceeded and therefore the resistor must be mounted on a heat sink of correct thermal resistance for the power being dissipated.

Maximum Overload:

Please consult the factory for assistance concerning your particular overload application.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Wattage Rating (Heat Sink Mounted)	Stocked Values (Ω)	Price Each			
				1	10	25	50
284-HS10-Value	A	10 Watt 5%	0.1-0.82	3.04	2.58	2.48	2.10
284-HS10-(Value)F	A	10 Watt 1%	1.0-5K	2.31	2.18	2.05	1.91
284-HS15-Value	A	15 Watt 5%	0.1-0.82	2.99	2.40	1.96	1.64
284-HS15-(Value)F	A	15 Watt 1%	1.0-2K	2.32	2.10	1.94	1.79
			3K-5K	2.45	2.24	2.05	1.86
284-HS25-Value	A	25 Watt 5%	0.1-0.82	3.35	3.03	2.39	2.02
284-HS25-(Value)F	A	25 Watt 1%	1.0-2K	2.85	2.51	2.18	1.99
			3K-25K	3.01	2.67	2.34	2.19
284-HS50-Value	A	50 Watt 5%	0.1-0.82	4.70	4.31	3.98	3.51
284-HS50-(Value)F	A	50 Watt 1%	1.0-5K	3.19	3.13	2.90	2.61
			10K-50K	3.41	3.30	3.06	2.75
284-HS75-Value	B	75 Watt 5%	0.1, 0.47, 0.5	12.15	11.54	10.96	10.42
284-HS75-(Value)F	B	75 Watt 1%	1.0-220	11.91	11.31	10.74	10.20
			330-1K	12.03	11.42	10.86	10.31
284-HS100-Value	B	100 Watt 5%	0.1-0.82	15.61	14.70	13.46	11.96
284-HS100-(Value)F	B	100 Watt 1%	1.0-330	12.22	12.00	11.12	10.01
			470-50K	13.45	13.21	12.23	11.01
284-HS150-Value	B	150 Watt 5%	0.1, 0.47, 0.5	15.04	14.29	13.57	12.89
284-HS150-(Value)F	B	150 Watt 1%	1.0-680	15.79	15.00	14.25	13.54
			1K	17.06	16.21	15.40	14.62
284-HS200-(Value)F	C	200 Watt 1%	1.0-680	45.61	41.47	37.70	34.27
			1K-5K	46.51	42.28	38.44	34.94
			10K	47.00	46.00	44.00	42.00
284-HS250-(Value)F	C	250 Watt 1%	1.0-680	51.55	46.85	42.60	38.73
			1K-10K	52.08	47.34	43.04	39.13
284-HS300-(Value)F	C	300 Watt 1%	1.0-1K	61.33	55.76	50.69	46.08
			1.5K-10K	61.94	56.31	51.19	46.54

Non-Inductive Series

- Tolerance: 1% (1Ω or higher); 5% (less than 1Ω)



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Wattage Rating (Heat Sink Mounted)	Stocked Values (Ω)	Price Each			
				1	10	25	50
284-NHS100-(Value)F	C	100 Watt 1%	2.0, 4.0, 8.0, 16, 50	25.65	22.18	20.51	19.22
284-NHS200-(Value)F	C	200 Watt 1%	2.0, 4.0, 8.0, 16, 50	55.54	49.98	44.83	41.63
284-NHS300-(Value)F	C	300 Watt 1%	2.0, 4.0, 8.0, 16, 50	84.25	75.82	68.04	61.13

