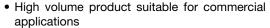




# Wirewound Resistors, Commercial Power, Aluminum Housed, Chassis Mount



#### **FEATURES**





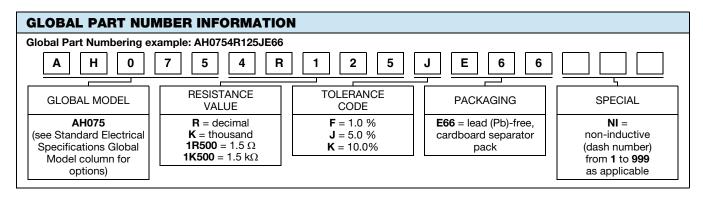
Molded construction for total environmental protection

ROHS COMPLIAN

- Complete welded construction
- Available in non-inductive styles (special "NI") with Ayrton-Perry winding for lowest reactive components
- Mounts on chassis to utilize heat-sink effect
- For industrial applications, please see RH/NH datasheet: www.vishay.com/doc?0201
- Material categorization: for definitions of compliance please see <a href="https://www.vishay.com/doc?99912"><u>www.vishay.com/doc?99912</u></a>

STANDARD ELECTRICAL SPECIFICATIONS									
GLOBAL MODEL	POWER RATING WITH STANDARD HEATSINK P <sub>25°C</sub> W	POWER RATING WITHOUT STANDARD HEATSINK P <sub>25°C</sub> W	RESISTANCE RANGE Ω ± 5 %; ± 10 %	RESISTANCE RANGE Ω ± 1 %	RESISTANCE RANGE (-NI) Ω ± 5 %; ± 10 %	RESISTANCE RANGE (-NI) Ω ± 1 %	WEIGHT (typical) g		
AH075	75	45	0.1 to 50K	10 to 10K	5 to 100	10 to 100	80		
AH100	100	50	0.1 to 100K	10 to 10K	5 to 200	10 to 200	110		
AH150	150	55	0.1 to 100K	10 to 10K	5 to 500	10 to 500	166		
AH200	200	50	0.1 to 50K	10 to 10K	5 to 500	10 to 500	435		
AH250	250	60	0.1 to 65K	10 to 10K	5 to 500	10 to 500	500		
AH300	300	75	0.1 to 80K	10 to 10K	5 to 500	10 to 500	615		

TECHNICAL SPECIFICATIONS							
PARAMETER	UNIT	AH RESISTOR CHARACTERISTICS					
Temperature Coefficient	ppm/°C	Typical values: $\pm$ 100 std. for 1 $\Omega$ to 1 k $\Omega$ ; 25 std. for > 1 k $\Omega$					
Insulation Resistance	Ω	> 10 000 MΩ					
Operating Temperature Range	°C	-25 to +250					

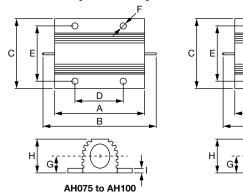


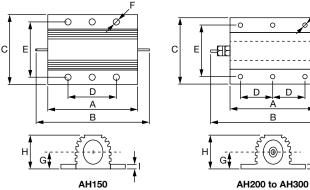


# Vishay Huntington

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#### **DIMENSIONS** in inches [millimeters]



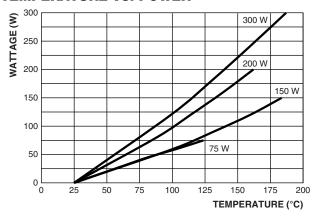


GLOBAL MODEL	DIMENSIONS in inches [millimeters]									
	A MAX.	в мах.	C MAX.	D ± 0.012 [0.3]	E ± 0.012 [0.3]	F ± 0.012 [0.3]	G MAX.	н мах.	I MAX.	
AH075	1.97 [50]	2.8 [71]	1.89 [48]	1.14 [29]	1.46 [37]	0.17 [4.4]	0.46 [11.8]	1.02 [26]	0.14 [3.5]	
AH100	2.6 [66]	3.54 [90]	1.89 [48]	1.38 [35]	1.46 [37]	0.17 [4.4]	0.46 [11.8]	1.02 [26]	0.14 [3.5]	
AH150	3.86 [98]	4.92 [125]	1.89 [48]	2.28 [58]	1.46 [37]	0.17 [4.4]	0.46 [11.8]	1.02 [26]	0.14 [3.5]	
AH200	3.54 [90]	5.71 [145]	2.87 [73]	1.38 [35]	2.25 [57.2]	0.21 [5.3]	0.81 [20.5]	1.77 [45]	0.27 [6.75]	
AH250	4.33 [110]	6.5 [165]	2.87 [73]	1.75 [44.5]	2.25 [57.2]	0.21 [5.3]	0.81 [20.5]	1.77 [45]	0.27 [6.75]	
AH300	5.12 [130]	7.09 [180]	2.87 [73]	2.05 [52]	2.25 [57.2]	0.26 [6.6]	0.81 [20.5]	1.77 [45]	0.27 [6.75]	

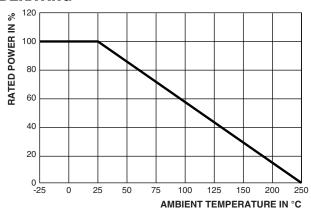
GLOBAL MODEL	LIMITING ELEMENT	DIELECTRIC STRENGTH	STANDARD		
	VOLTAGE (DC/AC <sub>RMS</sub> )	(AC <sub>PK</sub> )	AREA (cm²)	THICKNESS (mm)	TERMINAL TYPE
AH075	1400	5000	1000	3	Lugged
AH100	1900	5000	1000	3	Lugged
AH150	2500	5000	1000	3	Lugged
AH200	1900	5000	3750	3	Threaded
AH250	2200	5000	4800	3	Threaded
AH300	2500	5000	5800	3	Threaded

#### Note

#### **TEMPERATURE VS. POWER**



#### **DERATING**



#### Note

Typical at 25°C

<sup>(1)</sup> It is recommended that a heatsink compound be applied between the resistor and heatsink surface



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Vishay

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