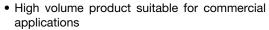




Wirewound Resistors, Commercial Power, Aluminum Housed, Chassis Mount



FEATURES





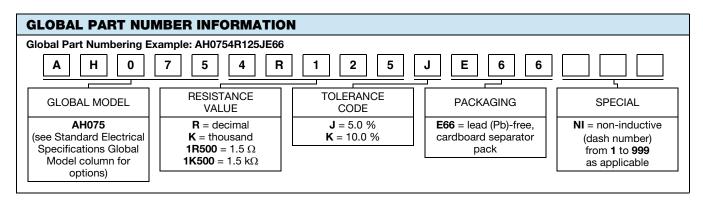
Molded construction for total environmental protection

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.vishav.com/doc?30201
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

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

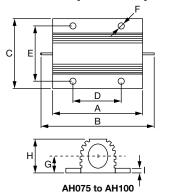
TECHNICAL SPECIFICATIONS						
PARAMETER	UNIT	AH RESISTOR CHARACTERISTICS				
Temperature Coefficient	ppm/°C	Typical values: \pm 100 std. for 1 Ω to 1 k Ω ; 25 std. for > 1 k Ω				
Insulation Resistance	Ω	> 10 000 MΩ				
Operating Temperature Range	°C	-25 to +250				

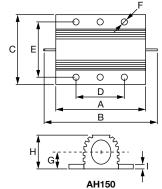


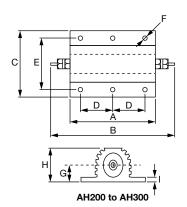


Vishay Huntington

DIMENSIONS in inches [millimeters]





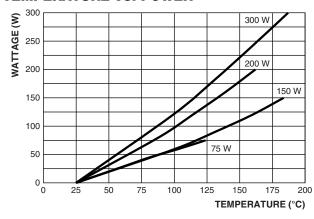


GLOBAL	DIMENSIONS in inches [millimeters]								
MODEL	A MAX.	в мах.	C MAX.	D ± 0.012 [0.3]	E ± 0.012 [0.3]	F ± 0.012 [0.3]	G MAX.	н мах.	I MAX.
AH075	1.97 [50]	2.8 [71]	1.89 [48]	1.14 [29]	1.46 [37]	0.17 [4.4]	0.46 [11.8]	1.02 [26]	0.16 [4.0]
AH100	2.6 [66]	3.54 [90]	1.89 [48]	1.38 [35]	1.46 [37]	0.17 [4.4]	0.46 [11.8]	1.02 [26]	0.16 [4.0]
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]	0.16 [4.0]
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]	0.22 [5.5]
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]	0.22 [5.5]
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]	0.22 [5.5]

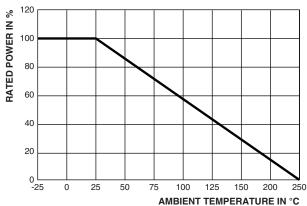
GLOBAL	LIMITING ELEMENT	DIELECTRIC STRENGTH	STANDARD			
MODEL	VOLTAGE (DC/AC _{RMS})	(AC _{PK})	AREA (cm²)	THICKNESS (mm)	TERMINAL TYPE	
AH075	1400	5000	1000	3	Lugged	
AH100	1900	5000	1000	3	Lugged	
AH150	2500	5000	1000	3	Lugged	
AH200	1900	5000	3750	3	Threaded	
AH250	2200	5000	4800	3	Threaded	
AH300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

Note

TEMPERATURE VS. POWER



DERATING



Note

• Typical at 25°C

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



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