www.vishay.com

Vishay Techno

Thick Film Resistors, Industrial, Miniature, Axial-Leaded



FEATURES

- Small case size: 0.073" x 0.036"
- Rugged plastic housing
- Non-inductive design

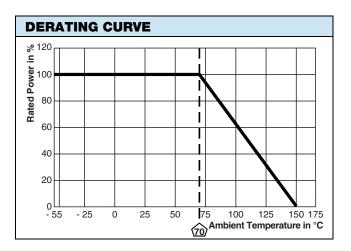


- 100 % pure tin solder coating on nickel RoHS leadwires. Suitable for soldering and welding.
- Operating temperature range: 55 °C to + 150 °C
- Material categorization: For definitions of compliance please see <u>www.vishay.com/doc?99912</u>

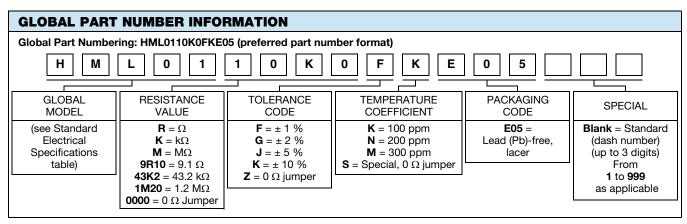
STANDARD ELECTRICAL SPECIFICATIONS								
GLOBAL MODEL	POWER RATING P _{70 °C} W	MAXIMUM WORKING VOLTAGE ⁽¹⁾ V	RESISTANCE RANGE Ω	TOLERANCE ± %	TEMPERATURE COEFFICIENT ± ppm/°C			
HML01	0.063	50	1 to 9.1	2, 5, 10	300			
			10 to 22M	1, 2, 5, 10	100, 200, 300			
	Zero-ohm jumper: $R_{\text{max.}} = 30 \text{ m}\Omega$, $I_{\text{max.}} = 1.2 \text{ A}$							

Notes

- ⁽¹⁾ Continuous working voltage shall be $\sqrt{P \times R}$ or maximum working voltage, whichever is less
- Consult factory for extended resistance range



MATERIAL SPECIFICATIONS				
Resistive element	Ruthenium oxide			
Encapsulation	Plastic shell			
Substrate	High purity 96 % alumina			
Termination	Solder-coated nickel leadwire			



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1 For technical questions, contact: <u>te1resistors@vishay.com</u> Document Number: 68038

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HML01

0.073 ± 0.002 (1.85 ± 0.05)

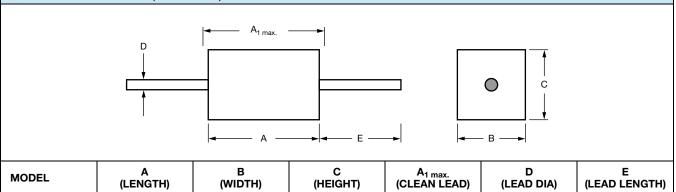
0.036 ± 0.002 (0.91 ± 0.05)

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 1.400 ± 0.100

(35.56 ± 2.54)

DIMENSION in inches (millimeters)



0.036 ± 0.002 (0.91 ± 0.05)

0.093 (2.36)

 $\begin{array}{c} 0.0074 \pm 0.0001 \\ (0.188 \pm 0.003) \end{array}$



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1