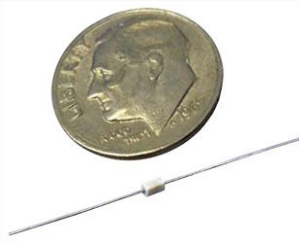


Thick Film Resistors, Industrial, Miniature, Axial-Leaded



FEATURES

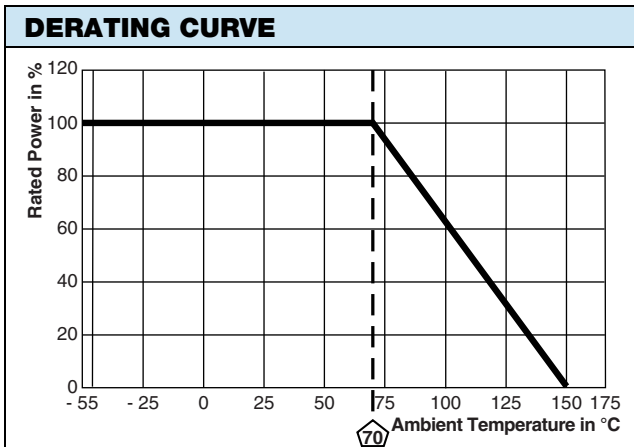
- Small case size: 0.073" x 0.036"
- Rugged plastic housing
- Non-inductive design
- 100 % pure tin solder coating on nickel leadwires. Suitable for soldering and welding.
- Operating temperature range: - 55 °C to + 150 °C
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS					
GLOBAL MODEL	POWER RATING $P_{70\text{ }^\circ\text{C}}$ W	MAXIMUM WORKING VOLTAGE V ⁽¹⁾	RESISTANCE RANGE Ω	TOLERANCE $\pm \%$	TEMPERATURE COEFFICIENT $\pm \text{ppm}/^\circ\text{C}$
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



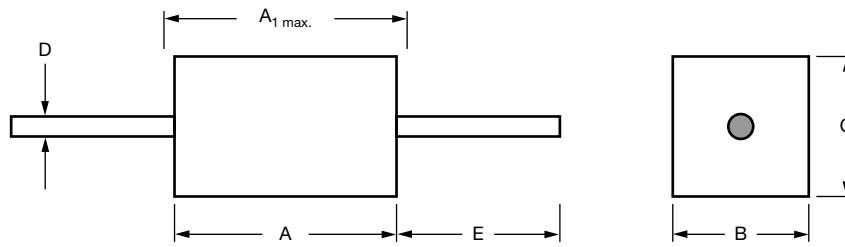
MATERIAL SPECIFICATIONS

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

GLOBAL PART NUMBER INFORMATION

Global Part Numbering: HML0110KFKE05 (preferred part number format)

GLOBAL MODEL	RESISTANCE VALUE	TOLERANCE CODE	TEMPERATURE COEFFICIENT	PACKAGING CODE	SPECIAL
(see Standard Electrical Specifications table)	R = Ω K = $\text{k}\Omega$ M = $\text{M}\Omega$ 9R10 = 9.1 Ω 43K2 = 43.2 $\text{k}\Omega$ 1M20 = 1.2 $\text{M}\Omega$ 0000 = 0 Ω Jumper	F = $\pm 1 \%$ G = $\pm 2 \%$ J = $\pm 5 \%$ K = $\pm 10 \%$ Z = 0 Ω jumper	K = 100 ppm N = 200 ppm M = 300 ppm S = Special, 0 Ω jumper	E05 = Lead (Pb)-free, lacer	Blank = Standard (dash number) (up to 3 digits) From 1 to 999 as applicable

DIMENSION in inches (millimeters)


MODEL	A (LENGTH)	B (WIDTH)	C (HEIGHT)	A _{1 max.} (CLEAN LEAD)	D (LEAD DIA)	E (LEAD LENGTH)
HML01	0.073 ± 0.002 (1.85 ± 0.05)	0.036 ± 0.002 (0.91 ± 0.05)	0.036 ± 0.002 (0.91 ± 0.05)	0.093 (2.36)	0.0074 ± 0.0001 (0.188 ± 0.003)	1.400 ± 0.100 (35.56 ± 2.54)



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Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.

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Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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