

KLZ-HR Series Inductor Sample Kit



Multilayer Inductors for Decoupling Circuits with Soft Termination

TDK's KLZ-HR Series multilayer inductors were designed with innovative soft termination technology to offer high reliability under harsh conditions ,even at high temperatures up to 150°C. The KLZ-HR series is qualified to AEC-Q200 and their compact size and robustness makes them ideal for use in demanding automotive applications such as engine control modules (ECUs), various in-vehicle electronic control units (ECUs),



and advanced driver assistance systems (ADAS), as well as in a variety of industrial equipment. The external electrodes of the KLZ-HR series feature a conductive resin layer that offers effective protection against board flexure and solder cracks due to mechanical stress during mounting and thermal shock during operation.

Features

- Excellent DC superimposition characteristics and low DC resistance
- Compatible with wide frequency band noise, from low to high frequency
- Effective protection against board flexure and solder cracks
- Suitable for high operating temperatures up to 150°C
- Qualified to AEC-Q200

Applications

- Engine control modules (ECMs) and various in-vehicle electronic control units (ECUs)
- Advanced driver assistance systems (ADAS)
- Smart phones, tablet terminals, notebook PCs, camera modules, DSCs, video games
- Portable memory audio devices, navigation systems, PNDs, WLANs, SSDs

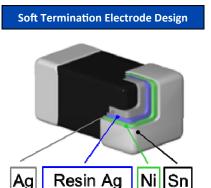
Sample Kit Information

	Series	Size	Thickness	Inductance	DC Resistance	Saturation Current
		[mm]	[mm]	[μH] ±20%	[Ω] ± 30%	[mA] Max.
	<u>KLZ1608-HR</u>	1.6 x 0.8	0.8	1.0 to 22	0.15 to 2.4	55 to 190
	<u>KLZ2012-HR</u>	2.0 x 1.25	0.85	1.0 to 100	0.10 to 3.7	30 to 700
			1.25			

Kit contains 160 pieces total—10 pieces each of 16 values

Digi-Key Part Number: 445-175024-KIT-ND







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