

Inductors (Coils)

Inductor Coils

Part Number :	MLF1608E100KTD00
Product Name :	Multilayer Inductor for Signal Line
TDK Series Name :	MLF Series
Application :	PC, HDD, etc
Function :	
	High - reliability monolithic structure.The products contain no lead and also support lead - free soldering.
Description :	
	This is a multilayer inductor with magnetic shielding by Ferrite material.
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Application	Catalog	SEAT	CCV	TVCL	Tech Notes
Property Name		Property Description			
Product Lifecycle Stage		Production			
Part Number Replacement		No Data Available.			
Lead (Pb) Free		Yes			
Surface Mount		Yes			
Construction Type		MULTI - LAYER			
Shape		SMD			
Body Length (L)		Nom	1.6 mm		
Body Breadth (W)		Nom	0.8 mm		
Body Height (T)		Nom	0.8 mm		
Inductance		Nom	10 μ H		
Inductance Tolerance (%)		Min	-10 %		
		Max	10 %		
Frequency of Inductance		Nom	2 MHz		
Q		Min	30		
Frequency of Q		Nom	2 MHz		
Self Resonant Frequency		Min	30 MHz		
D.C. Resistance		Nom	1 Ohm		
D.C. Resistance		Max	1.7 Ohm		
Rated Current		Max	10 mA		
Terminal Material		Ag(100%)/Sn plating			
Polarity Marking		No			
Magnetic Shielding		Yes			
Soldering Method		Reflow, Iron Soldering			
Measuring Equipment(L, Q, Rdc)		LQ:4294A, RDC:7561			
Category Temperature Range		Min	-25 Cel		
		Max	85 Cel		
Storage Temperature Range		Min	-40 Cel		
		Max	85 Cel		
Country of Origin		JPN			
Packing		Punched (Paper)Taping [180mm Reel]			
Minimum Package Qty		Nom	4000 Pcs		
Minimum Order Qty		Nom	4000 Pcs		
Weight		Nom	0.004 g		

Disclaimer: This information is to be used for reference purposes only and is subject to change by TDK without notice. It reflects an overview of the product characteristics/performance for the particular part number. For product specification information, please refer to TDK's general product specification. Please note that this standard part is not designed or warranted to meet any specifications of any intermediate or end user different from or in addition to the specifications set forth in TDK's general product specification. Note also that this standard part has not been specially designed or manufactured for, nor is it intended or warranted for use in , or permitted to be resold for, specialized applications such as aviation, medical, and/or governmental/military applications (collectively, "Excluded Applications").