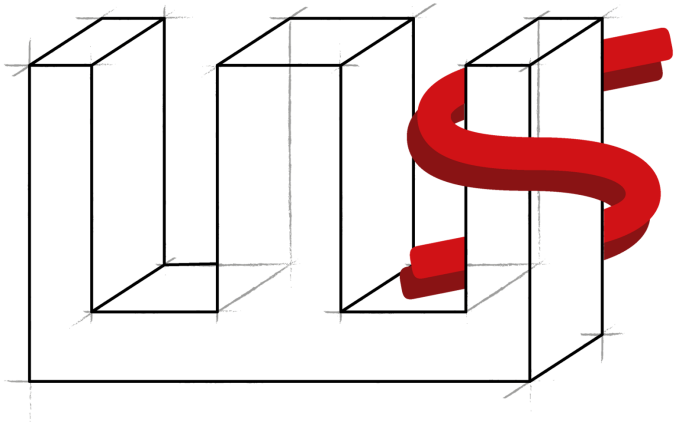

SmartNetics

Ferrite cross reference

Ferrite materials at: 25kHz, 100°C, 200mT

Core loss	Initial permeability	Ferroxcube	TDK-Epcos	Cosmo Ferrite	Kaschke	Magnetics	Fair-Rite	Proterial
	≈ 2000	3C92, 3C96	N87	CF139				MB19D, MB20D
≈ 55 kW/m^3	≈ 2500	3C94	N97	CF297	k2010	R, P		ML25D
	≈ 3000	3C97	N96					ML33D
	≈ 1500		N92					
≈ 85 kW/m^3	≈ 2500	3C90					78	ML24D
	≈ 3000	3C91	N51			F		MB28D

Disclaimer: No two materials from different manufacturers are the same. This table is conceived as a fast cross reference amongst some parameters of the materials of different manufacturers, for a detailed comparison please refer to the datasheet of each material.
For the latest version of this cross reference list and anything related to SmartNetics and Power Smart Control, please visit PowerSmartControl.com.

Ferrite materials at: 100kHz, 100°C, 200mT

Core loss	Initial permeability	Ferroxcube	TDK-Epcos	Cosmo Ferrite	Kaschke	Magnetics	Fair-Rite	Proterial
$\approx 315\,kW/m^3$	≈ 2000	3C92, 3C96						MB20D
	≈ 2500	3C94	N97	CF297	k2010			ML25D
	≈ 3000	3C95, 3C97						ML33D
$\approx 425\,kW/m^3$	≈ 1500		N92					
	≈ 2000		N87	CF139				MB19D
	≈ 2500	3C90				R, P		ML24D
	≈ 3000	3C91	N96					
$\approx 650\,kW/m^3$	≈ 1500		N49					
	≈ 2500						78	
	≈ 3000		N51			F		

Disclaimer: No two materials from different manufacturers are the same. This table is conceived as a fast cross reference amongst some parameters of the materials of different manufacturers, for a detailed comparison please refer to the datasheet of each material.
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Ferrite materials at: 500kHz, 100°C, 50mT

Core loss	Initial permeability	Ferroxcube	TDK-Epcos	Cosmo Ferrite	Kaschke	Magnetics	Fair-Rite	Proterial
$\approx 100\,kW/m^3$	≈ 1500	3F36	N49		k2001			
	≈ 2500							ML25D, ML27D
$\approx 200\,kW/m^3$	≈ 1500		N92					
	≈ 2000		N87	CF139				
	≈ 2500		N97			R		
$\approx 300\,kW/m^3$	≈ 2000	3C96						
	≈ 2500					P		
	≈ 3000		N51, N96					

Disclaimer: No two materials from different manufacturers are the same. This table is conceived as a fast cross reference amongst some parameters of the materials of different manufacturers, for a detailed comparison please refer to the datasheet of each material.
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Contact information

sales@powersmartcontrol.com
support@powersmartcontrol.com