

FERRITI PER COSTRUZIONE IMPEDENZE PER SALDATURA HF TUBI

IMPEDER CORES FOR HF WELDING STEEL TUBES

L.B.Sidertech Srl ha sviluppato nel corso degli anni molti brands tra quelli oggi leader di mercato mondiale .
Si è partiti dalle ferriti a base di Zinco oltre 40 anni fa per poi passare a quelle basate sul Manganese .
Le caratteristiche elettromagnetiche sono cresciute nel tempo partendo da permeabilità di 600-700 sino a oggi con 1700-1800 le migliori . **Con questa NUOVA ferrite siamo andati oltre raggiungendo i 2000 .**



Star Sintered Products Ltd.

STAR SINTERED INDUSTRIES since 1992

Specialized in Powder Sintering of ferrous and non ferrous metals parts Active in Automotive Industry home appliances industry , including hard and soft ferrite cores . From these products we developed **IMPEDER FERRITE CORES FOR HF WELDED STEEL TUBES**

WE DEVELOP NEW SHAPES AND SIZES CUSTOM MADE
L.B.SIDERTECH & STAR SINTERED PRODUCTS WILL ASSIT
TUBE MAKERS USING BEST FERRITES AND IMPEDER DESIGN

L.B.Sidertech Srl during years has developed many brands amongst those today market's leaders .
We began with ferrites based on Zinc 40 years ago till using those based on Manganese .
Electromagnetic features rised during years permeability passed from 500-700 till 1700-1800 for the best brands in commerce . **With this NEW ferrite we went beyond reaching 2000 .**

SP 20 LB - NEW GRADE for impeder cores

PARAMETERS	SYMBOL	UNIT	TEST CONDITIONS	CHARACTERISTICS	
Initial Permeability	μiac		0,1 mT - 27°C	2000 + / - 10%	
Working Frequency	f	MHz		0,5	
Relative Permability	Tanδlμi	x 10 ⁻⁶		5	
	(f)	(KHz)		10	
Saturation Flux Density	Bs	mT		490 (25°C)	
Remanence Flux density	Br	mT		350	
Coercivity	Hc	A/M		15	
Disaccomodation factor	DF	10 ⁻⁶ / °C		< 0,3	
Curie temperature	Tci	°C		> 200	
Resistivity	ρ	Ohm .cm		6	
Density	D	kg / m ³		4,85 x 10 ³	
PowerLoss /Volume	Pv	Kw/m ³		< 450	100 KHz
				200 mT	100°C



* MATERIAL IS TOTALLY LEAD FREE

** MATERIAL DATA SPECIFIED HAVE BEEN DERIVED FROM MEASUREMENT ON
TOROIDAL CORE T 14 X 08 X 07

*** INITIAL PERMEABILITY , RELATIVE LOSS FACTOR AND CURIE TEMPERATURE
ARE MEASURED AT FREQ 10KHz AND B = 0,25 mT

VERY IMPORTANT IS COOLING IMPEDER CORES AND WORK BELOW 60°C TEMP.

NEW FERRITE GENERATION AVAILABLE NOW FROM STOCK WITH HIGHER PERMEABILITY