

SUNLEI TECHNOLOGY CORP.

Ni-Zn SOFT FERRITE CORES-RU-Series

RU-Series For EMI suppression

Features

1. One hole rod type
2. Excellent heat resistance.
3. Available in various sizes & materials.
4. High reliability



Applications

- E.M.I. Suppression on round cable.
1. Computer and peripheral products
 2. Consumer electronic products
 3. Communication electronic products
 4. Measuring instruments

Product Identification

M2L RU 100- PF

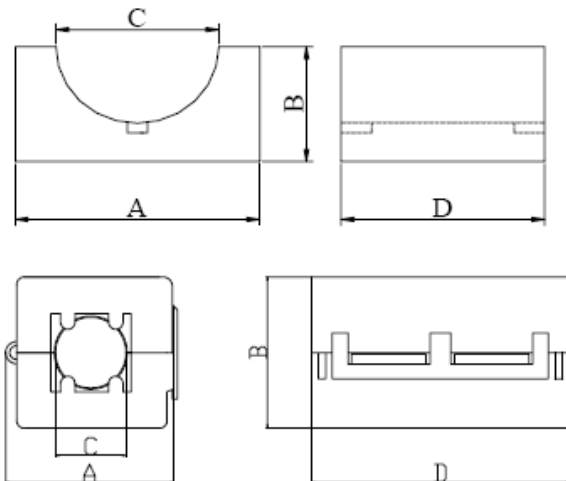
M2L:Material Type CODE

RU: SERIES NAME

100: DIMENSION SIZE CODE=C

PF:Pb-Free

Shapes and Dimensions (mm)



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Ni-Zn SOFT FERRITE CORES

MATERIAL CHARACTERISTICS

Material	Practical Frequency	Initial permeability μ_{iac}	Relative loss factor $\tan \sigma / \mu_{iac}$	Temperature coefficient $\alpha \mu \gamma$	Saturation Flux density Bm	Remanence Br	Coercivity Hc	Curie Temperature Tc	Resistivity ρ	Density d
	MHz	μ_{iac}	$\times 10^{-6}$	$\times 10^{-6}/^{\circ}\text{C}$	Gauss	Gauss	Oersted	$^{\circ}\text{C}$	$\Omega \text{ cm}$	g/cm
M2L	0.1-1.5	700±25%	30(0.1)/150(1.5)	3	3100	1600	0.25	120	10^7	4.9
M3L	0.01-0.5	1500±25%	10(0.01)/60(0.5)	3	2800	1600	0.20	100	10^7	4.8
M4L	0.05-0.5	1000±25%	10(0.05)/45(0.5)	7	3500	1600	0.23	150	10^7	5.0
M5D	0.05-3.0	450±25%	15(0.01)/65(3.0)	20	4000	4000	0.30	180	10^7	5.1
M6D	0.1-2.0	500±25%	20(0.1)/90(2.0)	25	3900	2400	0.30	220	10^7	5.0
M11D	0.1-2.0	450±25%	15(0.05)/80(2.0)	25	4000	2400	0.30	200	10^7	5.0
M13D	0.05-2.0	400±25%	15(0.05)/80(2.0)	25	4100	2400	0.30	200	10^7	5.0
M5H	1.0-50	55±25%	150(1.0)/500(50)	80	3900	4000	5.50	300	10^7	4.8
M4S	1.0-30	650±25%	13(1.0)/90(5.0)	30	3900	4000	0.45	180	10^7	4.9
M5S	0.05-2.0	600±25%	15(0.05)/90(2.0)	25	3800	2500	0.40	180	10^7	4.9
M11F	0.05-1.0	800±25%	10(0.05)/60(1.0)	20	3500	2000	0.40	180	10^7	4.9

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Electrical Characteristics

Part Number	Dimensions (mm)				Typical Impedance(Ω)	
	A	B	C	D	25MHz	100MHz
RU50	16.5Max	15.0Max	6.0Max	24.0Max	70	110
RU65	17.70Max	19.4Max	6.5Max	32.8Max	172	280
RU100	22.20Max	23.3Max	10.0Max	33.0Max	148	236
RU130	29.70Max	30.5Max	13.0Max	32.8Max	130	250

Test condition

Use copper line (length =10mm,outside diameter =0.65) to test ferrite cores when the test frequency in 25MHz and 100MHz

Impedance Vs Frequency

