

## Ni-Zn SOFT FERRITE CORES-RU-Series

### RU-Series For EMI suppression

#### Features

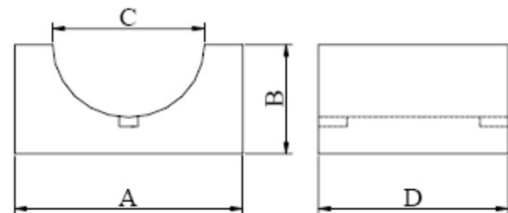
1. One hole rod type
2. Excellent heat resistance.
3. Available in various sizes & materials.
4. High reliability



#### Applications

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

#### Shapes and Dimensions (mm)



#### Product Identification

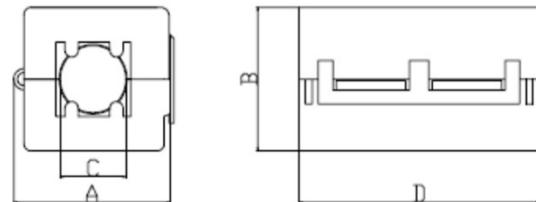
M2L RU 100- PF

M2L:Material Type CODE

RU: SERIES NAME

100: DIMENSION SIZE CODE=C

PF:Pb-Free



## Ni-Zn SOFT FERRITE CORES

### MATERIAL CHARACTERISTICS

Material	Practical Frequency	Initial permeability	Relative loss factor	Temperature coefficient	Saturation Flux density	Remanence	Coercivity	Curie Temperature	Resistivity	Density
	MHz	$\mu_{iac}$	$\tan\sigma/\mu_{iac}$	$\alpha\mu$	Bm	Br	Hc	Tc	$\rho$	d
		$\mu_{iac}$	$\times 10^{-6}$	$\times 10^{-6}/^{\circ}\text{C}$	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



## Ni-Zn SOFT FERRITE CORES

### RU-Series For EMI suppression

#### Electrical Characteristics

Part Number	Dimensions (mm)				Typical Impedance( $\Omega$ )	
	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

