FEATURES

Low profile design
High power handling capability and small copper loss
Using large saturation induction of MnZn metals
Available for automatic mounting in tape and reel package.

APPLICATIONS

Servers computers, VRMs, etc.

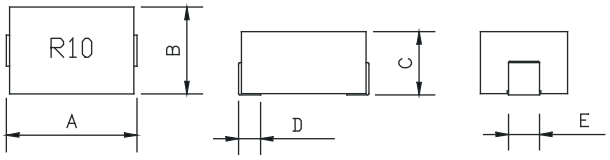
PRODUCT IDENTIFICATION

❶ ❷ ❸❹ ❺

MSI - 7005 - R10M □□

❶ Product Code
❷ Dimensions Code
❸ Inductance Code
❹ Tolerance Code
❺ Pattern Code

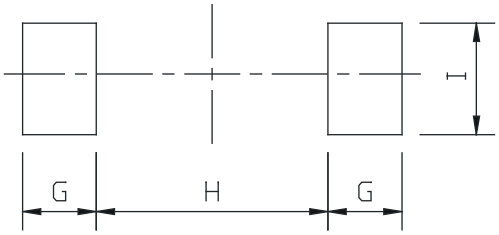
PRODUCT DIMENSIONS



NOTES: DIMENSION IN mm

PART NO.	A	B	C	D	E
MSI-7005	7.30Max.	6.30Max.	5.00 Max.	1.70Typ.	2.30Typ.
MSI-1005	10.20Max.	7.00Max.	5.00Max.	1.52Typ.	2.50Typ.
MSI-1007	10.41Max.	8.00Max.	6.50Max.	2.54Typ.	2.24Typ.
MSI-1008	10.92Max.	7.20Max.	7.50Max.	2.50Typ.	1.55Typ.

LAND PATTERN



NOTES: DIMENSION IN mm

PART NO.	G	H	I
MSI-7005	2.00	3.30	3.00
MSI-1005	2.03	6.35	3.05
MSI-1007	3.05	4.32	2.79
MSI-1008	3.56	4.06	2.54

PRODUCT SPECIFICATION

Part No.	Inductance (μH)	DC Resistance (mΩ)				DC Current IDC1 (A)				DC Current IDC2 (A)			
		7005	1005	1007	1008	7005	1005	1007	1008	7005	1005	1007	1008
72N	0.072	0.32±9.4%				42				31			
R10	0.10	0.32±9.4%	0.39±7.7%			35	62			31	31		
R105	0.105	0.32±9.4%				35				31			
R12	0.12		0.39±7.7%	0.48±8%	0.43±10%		52	77	76		31	40	33
R14	0.14			0.48±8%				60				40	
R15	0.15				0.43±10%				65				33
R18	0.18			0.48±8%				52				40	
R215				0.48±8%				40				40	
R23	0.23				0.43±10%				39				33
R31	0.31			0.48±8%				28				40	

1.TEST FREQ. (L):@ 100KHz/1V
2.TOLERANCE OF INDUCTANCE : ±20%(M)
3. IDC1： Based on inductance change (△L/Lo： ≦−20%)
IDC2： Based on temperature rise (△T： 40℃ TYP.)
Rated DC Current： The less value which is IDC1 or IDC2.