

## High Current Coupled Inductor MSI-7916 Series

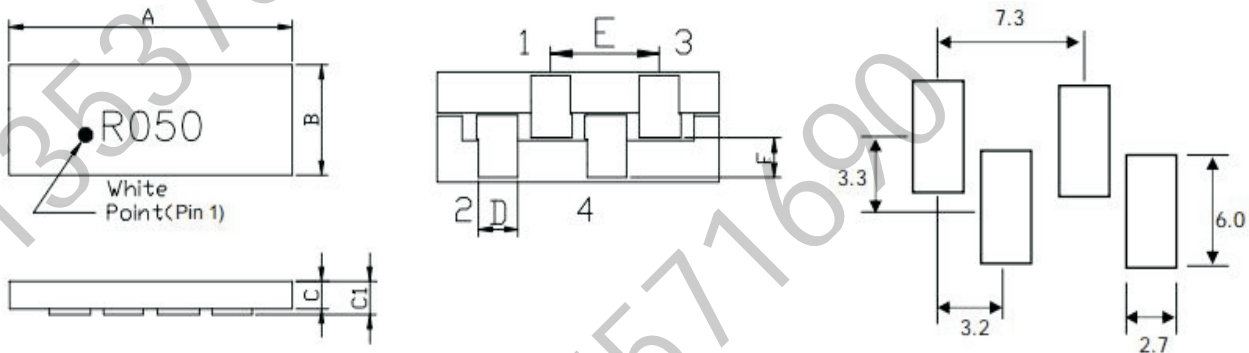
### Product Identification:



**MSI** - **7916** - **R05** **M**  
(1) (2) (3) (4)

- (1) Series
- (2) Dimensions(L\*H)
- (3) Inductance (R05=0.05uH, 1R0=1.0uH, 100=10uH)
- (4) Tolerance(K(±10%), L(±15%), M(±20%),N(±30%))

### DIMENSIONS DRAWING:



### Shape and Dimensions

TYPE	A(mm)	B(mm)	C(mm)	C1(mm)	D(mm)	E(mm)	F(mm)	-	-
MSI-7916	20.0±0.5	9.0±0.5	4.0Max	4.2Max	2.5±0.15	7.3±0.25	3.3±0.15	-	-

### Coupled Inductor CMSI-7916 Series

#### ELECTRICAL CHARACTERISTIC:

Part Number	Inductance 1-2=3-4 (nH) @1MHz/1V	LK Inductance 2-3 (1-4 short) (nH)@1MHz/1V	DCR 1-2=3-4 (mΩ) Max.	Isat 2-3@1- 4,short (A)Max.	Irms 1-2=3-4 (A)Max.
MSI-7916-R05M	300 ±30%	50 ±20%	0.285 ±10%	80	50

(1).Isat: Based on inductance change ( ΔL/Lo : drop 20% Max.)@ ambient temp. 25°C

(2).Irms: Based on temperature rise ( ΔT : 40 °C TYP.)

L BIAS Test Frequency: 100KHz/1V

(3).Operating temp.: -40°C to +125°C