






-  Magnetically Shielded
-  Miniature in size and high energy storage
-  Ideal for high current requirements of notebook, video recorders and other DC-DC conversion applications
-  Custom inductance value or tolerance is available
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

Part Number	Inductance ² (uH)	Inductance Tolerance	DCR (m Typ)	Inductance Decrease ³ Current(A)	Temperature Rise ⁴ Current(A)	Marking (YYYY)
SIS6360M-1R0R	1.0	± 20%	11	3.59	4.03	M1R0
SIS6360M-1R5R	1.5	± 20%	13	2.93	3.63	M1R5
SIS6360M-2R2R	2.2	± 20%	16	2.42	3.30	M2R2
SIS6360M-3R6R	3.6	± 20%	21	1.89	2.83	M3R6
SIS6360M-4R7R	4.7	± 20%	27	1.66	2.45	M4R7
SIS6360M-6R2R	6.2	± 20%	32	1.45	2.20	M6R2
SIS6360M-100R	10.0	± 20%	49	1.14	1.77	M100
SIS6360M-120R	12.0	± 20%	52	1.04	1.70	M120
SIS6360M-150R	15.0	± 20%	62	0.93	1.55	M150
SIS6360M-180R	18.0	± 20%	74	0.85	1.41	M180
SIS6360M-220R	22.0	± 20%	95	0.77	1.23	M220
SIS6360M-270R	27.0	± 20%	120	0.70	1.08	M270
SIS6360M-330R	33.0	± 20%	140	0.63	0.99	M330
SIS6360M-390R	39.0	± 20%	150	0.58	0.95	M390
SIS6360M-470R	47.0	± 20%	185	0.53	0.84	M470
SIS6360M-560R	56.0	± 20%	220	0.48	0.76	M560
SIS6360M-680R	68.0	± 20%	270	0.44	0.69	M680
SIS6360M-820R	82.0	± 20%	330	0.40	0.61	M820
SIS6360M-101R	100.0	± 20%	415	0.36	0.54	M101
SIS6360M-151R	150.0	± 20%	615	0.31	0.42	M151

Notes:

1. Ordering Information: SIS6360a - bbbRc.

SIS6360 = Product Type.

a = Tolerance of Inductance (M= ±20%).

bbb = Inductance value in uH (i.e. 1R5 = 1.5uH; 150 = 15uH; 151 = 150uH).

R = Internal Control Code.

c = Packaging Code (T = Tape & Reel Packaging in 13 inch Reel).

2. Inductance is tested at 100kHz.

3. Rated D.C. current indicates the value of the current when the inductance is 30% typical lower than its initial Value.

4. Temperature rise current is the value of current when the temperature rising T=40°C.

5. Operating temperature range: -40°C to +125°C.

6. The part temperature (ambient temperature + temperature rise) should not exceed the upper limit of the operating temperature under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

