






-  Low Core Loss
-  Magnetically Shielded
-  Ideal for computers and portable power devices, DC-DC converters, energy storage applications and Input-Output filter applications
-  Operating temperature -40 C to +125°C
-  RoHS compliant



ELECTRICAL SPECIFICATION @ 25°C

Part Number	Inductance ² (uH)	Inductance Tolerance(%)		DCR (m) (Max)	I _{rms} ⁴ (A) Typ.	I _{sat} ³ (A)		Marking (YYYY)
		M	N			@25°C	@100°C	
SIS1060PN-3R3R	3.3	N/A	±30	19	6.2	11.2	8.0	N3R3
SIS1060PN-4R7R	4.7	N/A	±30	22	5.7	8.8	6.7	N4R7
SIS1060PN-5R6R	5.6	N/A	±30	24	5.5	8.4	6.6	N5R6
SIS1060PN-6R8R	6.8	N/A	±30	27	4.8	8.3	6.2	N6R8
SIS1060PN-8R2R	8.2	N/A	±30	34	4.6	7.5	5.6	N8R2
SIS1060PM-100R	10.0	±20	N/A	43	3.9	7.0	5.1	M100
SIS1060PM-120R	12.0	±20	N/A	47	3.7	5.9	4.6	M120
SIS1060PM-150R	15.0	±20	N/A	51	3.5	5.4	4.2	M150
SIS1060PM-180R	18.0	±20	N/A	58	3.3	4.9	3.7	M180
SIS1060PM-220R	22.0	±20	N/A	65	3.0	4.7	3.5	M220
SIS1060PM-330R	33.0	±20	N/A	96	2.3	3.9	2.9	M330
SIS1060PM-470R	47.0	±20	N/A	185	2.0	3.0	2.2	M470
SIS1060PM-560R	56.0	±20	N/A	205	1.8	2.8	2.0	M560
SIS1060PM-680R	68.0	±20	N/A	225	1.7	2.5	1.8	M680
SIS1060PM-820R	82.0	±20	N/A	250	1.6	2.2	1.6	M820
SIS1060PM-101R	100.0	±20	N/A	275	1.5	2.0	1.4	M101
SIS1060PM-121R	120.0	±20	N/A	335	1.4	1.9	1.3	M121
SIS1060PM-151R	150.0	±20	N/A	410	1.1	1.6	1.2	M151
SIS1060PM-181R	180.0	±20	N/A	465	1.0	1.5	1.1	M181
SIS1060PM-221R	220.0	±20	N/A	543	0.9	1.4	1.0	M221
SIS1060PM-331R	330.0	±20	N/A	1300	0.7	1.1	0.8	M331
SIS1060PM-471R	470.0	±20	N/A	1450	0.6	1.0	0.7	M471

Notes:

1. Ordering Information: SIS1060Pa - bbbRc.

SIS1060P = Product Type.

a = Tolerance of Inductance (M= ±20%, N= ±30%).

bbb = Inductance value in uH (i.e. 3R3 = 3.3uH; 330 = 33uH; 331 = 330uH).

R = Internal Control Code.

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

2. Inductance is tested at 100kHz.

3. I_{sat}, indicates the value of DC current when the inductance is 20% typical lower than its initial value.

4. I_{rms}, Heating current, is the value of current when the temperature rising T=40°C typical.

5. 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.

