






-  Magnetically Shielded
-  Low DCR and High breakdown voltage
-  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 <sup>2</sup> Ls (mH)	Inductance Tolerance M	Insulation core-winding (M ) Min.	DCR ( ) Max.	SRF (MHz) Typ.	Rated Current, Irms(mA) Max	Marking (XXXX)
SISDS1608BM-154F	.15	±20	10	1.4	10	200	154
SISDS1608BM-224F	.22	±20	10	1.7	8	180	224
SISDS1608BM-334F	.33	±20	10	2.2	6	160	334
SISDS1608BM-474F	.47	±20	10	3.8	5	140	474
SISDS1608BM-684F	.68	±20	10	4.9	4	120	684
SISDS1608BM-105F	1.0	±20	10	9	2	100	105
SISDS1608BM-155F	1.5	±20	10	11	1	80	155
SISDS1608BM-225F	2.2	±20	10	19	1	50	225
SISDS1608BM-335F	3.3	±20	10	24	1	40	335
SISDS1608BM-475F	4.7	±20	10	30	1	30	475
SISDS1608BM-685F	6.8	±20	10	56	0.9	20	685
SISDS1608BM-106F	10	±20	10	74	0.8	10	106

**Notes:**

1. Ordering Information: SISDS1608Ba - bbbFc.  
 SISDS1608B = Product Type.  
 a = Tolerance of Inductance (M= ±20%).  
 bbb = Inductance value in uH (i.e. 154 = 0.15mH; 155 = 1.5mH; 106 = 10mH).  
 F = Internal Control Code.  
 c = Packaging Code (U = Tape & Reel Packaging in 7 inch Reel).
2. Inductance is tested at 0.1Vrms, 100kHz.
3. Irms, is the value of current when the temperature rising T=30°C from 25°C ambient.
4. Operating temperature range: -40°C to +125°C.
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.

