




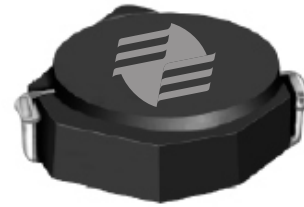


-  Magnetically Shielded
-  Miniature in size and high energy storage
-  Ideal for Mobilephone,PDA,MP3,DSC/DVC,  
Portable DVD and other DC-DC conversion  
applications
-  Custom inductance value or tolerance is available
-  RoHS compliant



**ELECTRICAL SPECIFICATION @ 25°C**

Part Number	Inductance ( H )	Inductance Tolerance(%)	Test <sup>2</sup> Frequency (kHz)	DCR (m Ω) Max	Saturation <sup>3</sup> Rated Current (mA)		Temperature <sup>4</sup> Rise Current (A) Typ.	Marking (YYYY)
					@25°C	@100°C		
		N						
SIS2D11N-1R5R	1.5	±30	100	68	900	680	1.48	N1R5
SIS2D11N-2R2R	2.2	±30	100	98	780	580	1.27	N2R2
SIS2D11N-3R3R	3.3	±30	100	123	600	450	1.02	N3R3
SIS2D11N-4R7R	4.7	±30	100	170	500	370	880m	N4R7
SIS2D11N-6R8R	6.8	±30	100	260	440	330	800m	N6R8
SIS2D11N-100R	10	±30	100	400	350	260	650m	N100

**Notes:**

1. Ordering Information: SIS2D11a - bbbRc.

SIS2D11 = Product Type.

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

bbb = Inductance value in uH (i.e. 4R7 = 4.7uH; 100 = 10uH ).

R = Internal Control Code.

c = Packaging Code (U = Tape & Reel Packaging in 7 inch Reel).

2. Test frequency is specified as the frequency for measuring the inductance.

3. It indicates the current when the inductance becomes 35% lower than its initial value.

4. It indicates the actual current when temperature of the coil becomes 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.

