



-  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 versions are available



ELECTRICAL SPECIFICATION @ 25°C

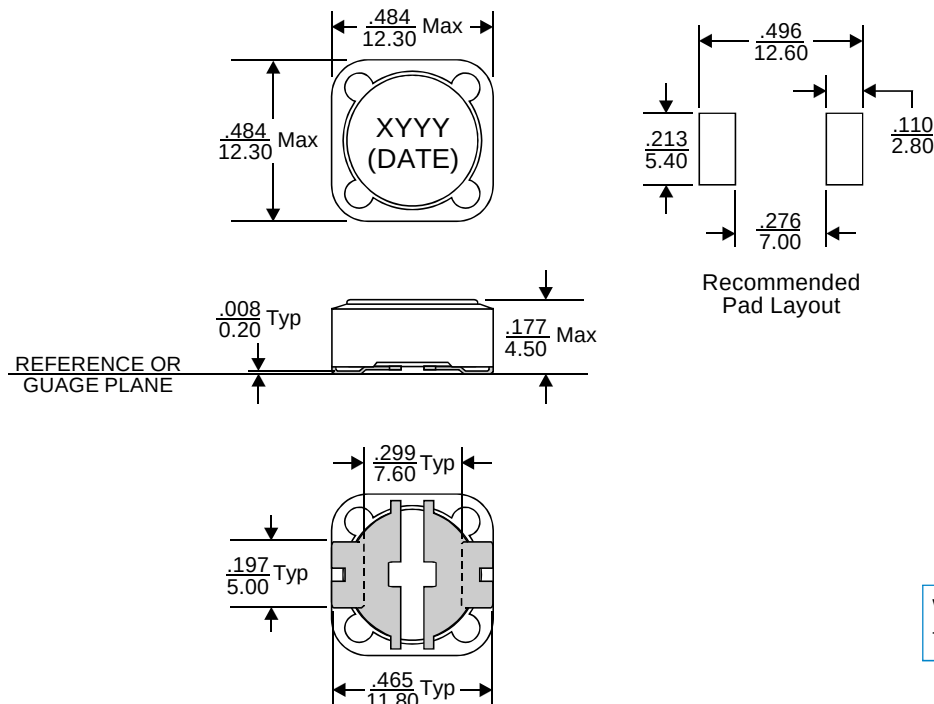
Part Number	RoHS Part Number	Inductance (uH)	Inductance Tolerance	Test Frequency ¹ (Hz)	DCR (mΩ Max)	Rated DC Current ² (A)	Marking (XXXX)
SISCDRH124M-3R9	SISCDRH124M-3R9R	3.9	±20%	100k	15	6.50	M3R9
SISCDRH124M-4R7	SISCDRH124M-4R7R	4.7	±20%	100k	18	5.70	M4R7
SISCDRH124M-6R8	SISCDRH124M-6R8R	6.8	±20%	100k	23	4.90	M6R8
SISCDRH124M-8R2	SISCDRH124M-8R2R	8.2	±20%	100k	26	4.60	M8R2
SISCDRH124M-100	SISCDRH124M-100R	10	±20%	100k	28	4.50	M100
SISCDRH124M-120	SISCDRH124M-120R	12	±20%	100k	38	4.00	M120
SISCDRH124M-150	SISCDRH124M-150R	15	±20%	100k	50	3.20	M150
SISCDRH124M-180	SISCDRH124M-180R	18	±20%	100k	57	3.10	M180
SISCDRH124M-220	SISCDRH124M-220R	22	±20%	100k	66	2.90	M220
SISCDRH124M-270	SISCDRH124M-270R	27	±20%	100k	80	2.80	M270
SISCDRH124M-330	SISCDRH124M-330R	33	±20%	100k	97	2.70	M330
SISCDRH124M-390	SISCDRH124M-390R	39	±20%	100k	132	2.10	M390
SISCDRH124M-470	SISCDRH124M-470R	47	±20%	100k	150	1.90	M470
SISCDRH124M-560	SISCDRH124M-560R	56	±20%	100k	190	1.80	M560
SISCDRH124M-680	SISCDRH124M-680R	68	±20%	100k	220	1.50	M680
SISCDRH124M-820	SISCDRH124M-820R	82	±20%	100k	260	1.30	M820
SISCDRH124M-101	SISCDRH124M-101R	100	±20%	100k	308	1.20	M101
SISCDRH124M-121	SISCDRH124M-121R	120	±20%	100k	380	1.10	M121
SISCDRH124M-151	SISCDRH124M-151R	150	±20%	100k	530	0.95	M151
SISCDRH124M-181	SISCDRH124M-181R	180	±20%	100k	620	0.85	M181
SISCDRH124M-221	SISCDRH124M-221R	220	±20%	100k	700	0.80	M221
SISCDRH124M-271	SISCDRH124M-271R	270	±20%	100k	876	0.60	M271
SISCDRH124M-331	SISCDRH124M-331R	330	±20%	100k	990	0.50	M331

Notes:

1. Test frequency is specified as the frequency for measuring the inductance.
2. Rated D.C. current indicates the value of the current when the inductance is 25% lower than its initial value and the temperature rising $\Delta T=40^{\circ}\text{C}$ at D.C. Superposition.
3. Operating temperature range: -40°C to $+100^{\circ}\text{C}$.
4. 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.
5. Contact EEMPL for RoHS compliant version availability.



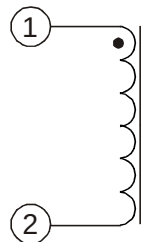
MECHANICAL DIMENSIONS



Notes:

- All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
- Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.
- For available RoHS part number, the part will be marked with "XXXXR", instead of "XXXX".

SCHEMATICS



FOR MORE INFORMATION, PLEASE CONTACT

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