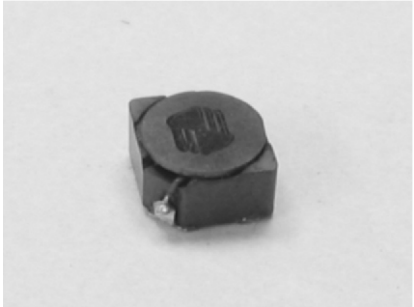
Elec & Eltek依利安達
E & E Magnetic Products Limited

SHIELDED SURFACE MOUNT POWER INDUCTOR

Drum Type, SIS4D28 Series

- 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 (uH)	Tolerance (%)	Test Frequency[2] (kHz)	DCR (Max)	Rated DC Current[3] (A)	Marking (XYYY)
SIS4D28N-1R2R	1.2	±30	100	23.6m	2.56	N1R2
SIS4D28N-1R8R	1.8	±30	100	27.5m	2.20	N1R8
SIS4D28N-2R2R	2.2	±30	100	31.3m	2.04	N2R2
SIS4D28N-2R7R	2.7	±30	100	43.3m	1.60	N2R7
SIS4D28N-3R3R	3.3	±30	100	49.2m	1.57	N3R3
SIS4D28N-3R9R	3.9	±30	100	64.8m	1.44	N3R9
SIS4D28N-4R7R	4.7	±30	100	72.0m	1.32	N4R7
SIS4D28N-5R6R	5.6	±30	100	100.9m	1.17	N5R6
SIS4D28N-6R8R	6.8	±30	100	108.9m	1.12	N6R8
SIS4D28N-8R2R	8.2	±30	100	117.5m	1.04	N8R2
SIS4D28N-100R	10	±30	100	128.3m	1.00	N100
SIS4D28N-120R	12	±30	100	131.6m	0.84	N120
SIS4D28N-150R	15	±30	100	149.0m	0.76	N150
SIS4D28N-180R	18	±30	100	166.0m	0.72	N180
SIS4D28N-220R	22	±30	100	235.0m	0.70	N220
SIS4D28N-270R	27	±30	100	261.0m	0.58	N270
SIS4D28N-330R	33	±30	100	331.3m	0.56	N330
SIS4D28N-390R	39	±30	100	383.7m	0.50	N390
SIS4D28N-470R	47	±30	100	587.0m	0.48	N470
SIS4D28N-560R	56	±30	100	624.5m	0.41	N560
SIS4D28N-680R	68	±30	100	699.0m	0.35	N680
SIS4D28N-820R	82	±30	100	914.8m	0.32	N820
SIS4D28N-101R	100	±30	100	1.02	0.29	N101
SIS4D28N-121R	120	±30	100	1.27	0.27	N121
SIS4D28N-151R	150	±30	100	1.35	0.24	N151
SIS4D28N-181R	180	±30	100	1.54	0.22	N181

Notes:

1. Ordering Information: SIS4D28a - bbbRc.

SIS4D28	=	Product Type.
a	=	Tolerance of Inductance (N = ±30%).
bbb	=	Inductance value in uH (i.e. 1R8 = 1.8uH; 180 = 18uH; 181 = 180uH).
R	=	Internal Control Code.
c	=	Packaging Code (U = Tape & Reel Packaging in 7 inch).

1/F., Harbour View 1, No.12 Science Park East Avenue, Phase II, Hong Kong Science Park, Shatin, N.T. Hong Kong
Tel: (852) 2954 3333 • Fax: (852) 2954 3304

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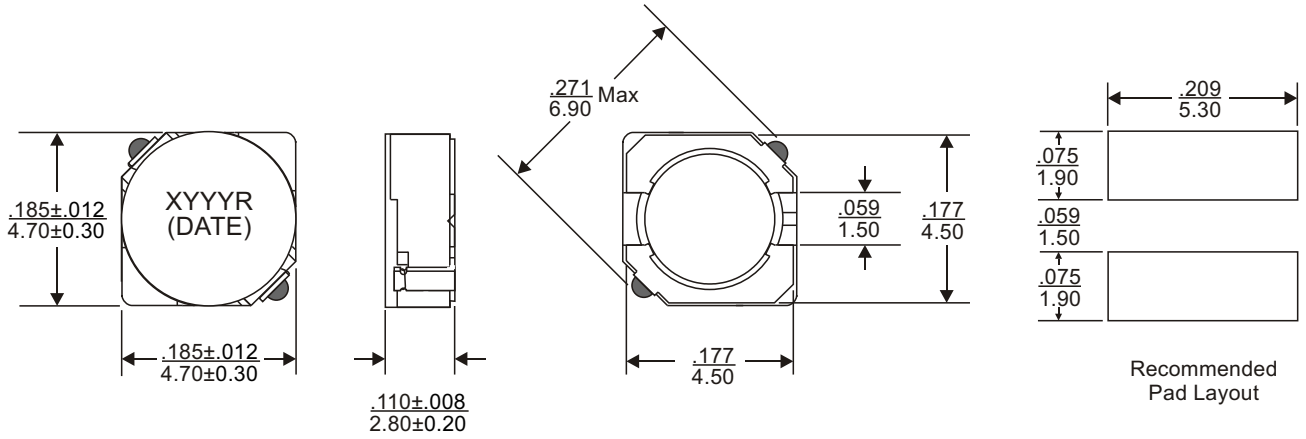
Drum Type, SIS4D28 Series

MECHANICAL DIMENSIONS

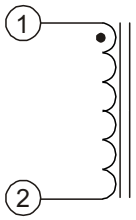


Notes:

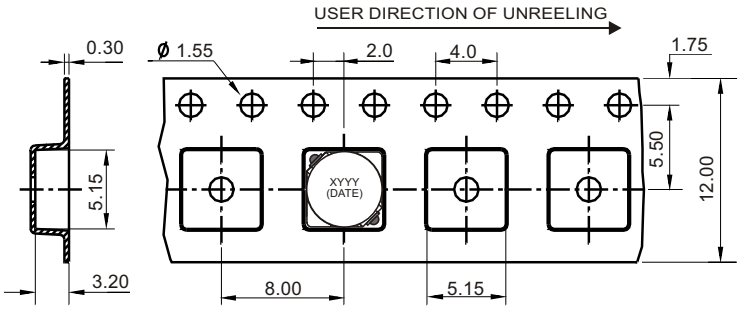
2. Test frequency is specified as the frequency for measuring the inductance.
3. Rated D.C. current indicates the value of the current when the inductance is 35% lower than its initial value or the current when temperature rising T=40°C at D.C. Superposition.
4. Operating temperature range: -40°C to +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.
6. All dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
7. Unless otherwise specified, all tolerances are $\pm\frac{.010}{0.25}$.

Weight (in gram)	:	1.0 typ.
Tape & Reel	:	600 / reel

SCHEMATIC



PACKAGING



FOR MORE INFORMATION, PLEASE CONTACT

HEADQUARTER
1/F., Harbour View 1, No.12 Science Park East Avenue,
Phase II, Hong Kong Science Park, Shatin, N.T.
Hong Kong
Tel: (852) 2954 3333 Fax: (852) 2954 3304
Email: eempl@eleceltek.com
Website: http://www.eleceltek.com / www.eemagnetic.com