



# 3225R

## Surface Mount Inductors



### Features and Benefits

- RoHS Compliant

### Parameters

**Current Rating at 90°C Ambient 35°C Rise**

**Operating Temperature Range -55°C to +125°C**

**Part Storage Temperature Range -65° C to +125°C**

**Maximum Power Dissipation at 90° C Ambient 0.217 W**

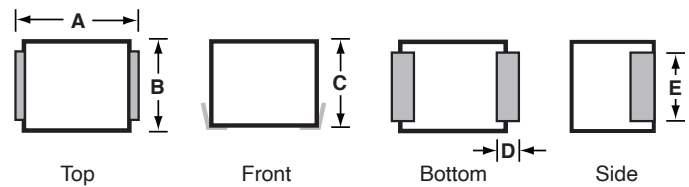
**Optional Tolerances K = 10%, J = 5%**

**Weight/Mass 0.1 Grams Maximum**

### Core Material / Termination Finish

Ferrite / Sn Finish

### Dimensions



	Inches	Millimeters
A	0.118 to 0.134	3.00 to 3.40
B	0.090 to 0.106	2.30 to 2.70
C	0.079 to 0.095	2.00 to 2.40
D	0.016 (TYP.)	0.40 (TYP.)
E	0.071 to 0.079	1.80 to 2.00

Dimensions A and C are over terminals

### Suggested Land Pattern

	Inches	Millimeters
X	0.094	2.40
Y	0.039	1.00
Z	0.078	2.00

Country of Origin: Taiwan

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### Electrical Characteristics

Part Number Prefix	L (uH)	Inductor Tolerance (%)	Q (Min.)	L & Q Test Frequency (MHz)	SRF Min (MHz)	DCR Max (Ohms)	Current Rating (mA)
3225R-102	1.0	10	25	7.9	120	0.70	515
3225R-122	1.2	10	25	7.9	100	0.75	497
3225R-152	1.5	10	25	7.9	85	0.85	467
3225R-182	1.8	10	25	7.9	75	0.90	454
3225R-222	2.2	5	25	7.9	70	1.00	431
3225R-272	2.7	5	25	7.9	65	1.10	411
3225R-332	3.3	5	25	7.9	58	1.20	393
3225R-392	3.9	5	25	7.9	50	1.30	378
3225R-472	4.7	5	25	7.9	45	1.50	352
3225R-562	5.6	5	25	7.9	42	1.60	341
3225R-682	6.8	5	25	7.9	40	1.80	321
3225R-822	8.2	5	25	7.9	35	2.00	305
3225R-103	10.0	5	25	7.9	30	2.10	297
3225R-123	12.0	5	25	2.5	28	2.50	272
3225R-153	15.0	5	25	2.5	25	2.80	257
3225R-183	18.0	5	25	2.5	23	3.30	237
3225R-223	22.0	5	25	2.5	20	3.70	224
3225R-273	27.0	5	25	2.5	18	5.00	193
3225R-333	33.0	5	25	2.5	15	5.60	182
3225R-393	39.0	5	25	2.5	14	6.40	170
3225R-473	47.0	5	25	2.5	13	7.00	163
3225R-563	56.0	5	25	2.5	11	8.00	152
3225R-683	68.0	5	25	2.5	10	9.00	144
3225R-823	82.0	5	25	2.5	9	10.00	136
3225R-104	100.0	5	25	2.5	8	13.00	120

Self Resonant Frequency (SRF) values are calculated and for reference only

Country of Origin: Taiwan

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### Tape and Reel Specifications

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Reel Size: 7" (178mm)

Tape Width: 8mm

Parts Per Reel: 2000 Pieces Maximum

### Individual Part Marking

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Three Digit Dash Number

Part Marking Example: 182

### How To Order

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**3225R**

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**182**

**J**

Inductor Series

Inductance  
3 digit dash no.

Tolerance

J = 5%  
K = 10%

Country of Origin: Taiwan

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