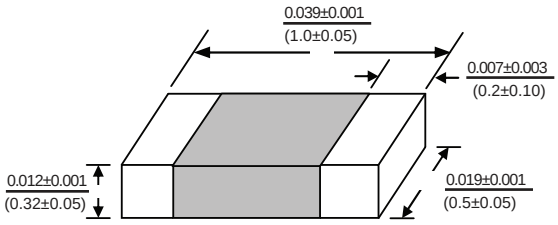
RoHS

Thin Film Chip Inductor TF02

Dimensions: Inches / (mm)



Allied Part Number	Inductance (nh)	Inductance Tolerance (nh)	Q Factor Min. (MHz)	SRF Min. (GHz)	DCR Max. (Ω)	IDC Max (mA)
TF02-0N2_-RC	0.2	B, C, S	13/500MHz	14	0.10	800
TF02-0N3_-RC	0.3	B, C, S	13/500MHz	14	0.10	800
TF02-0N4_-RC	0.4	B, C, S	13/500MHz	14	0.10	800
TF02-0N5_-RC	0.5	B, C, S	13/500MHz	14	0.15	700
TF02-0N6_-RC	0.6	B, C, S	13/500MHz	14	0.15	700
TF02-0N8_-RC	0.8	B, C, S	13/500MHz	14	0.15	700
TF02-0N9_-RC	0.9	B, C, S	13/500MHz	14	0.15	700
TF02-1N0_-RC	1.0	B, C, S	13/500MHz	14	0.15	700
TF02-1N1_-RC	1.1	B, C, S	13/500MHz	12	0.15	700
TF02-1N2_-RC	1.2	B, C, S	13/500MHz	12	0.15	700
TF02-1N3_-RC	1.3	B, C, S	13/500MHz	10	0.25	700
TF02-1N4_-RC	1.4	B, C, S	13/500MHz	10	0.25	700
TF02-1N5_-RC	1.5	B, C, S	13/500MHz	10	0.25	700
TF02-1N6_-RC	1.6	B, C, S	13/500MHz	10	0.25	560
TF02-1N7_-RC	1.7	B, C, S	13/500MHz	10	0.25	560
TF02-1N8_-RC	1.8	B, C, S	13/500MHz	10	0.25	560
TF02-1N9_-RC	1.9	B, C, S	13/500MHz	8	0.35	560
TF02-2N0_-RC	2.0	B, C, S	13/500MHz	8	0.35	560
TF02-2N1_-RC	2.1	B, C, S	13/500MHz	8	0.35	440
TF02-2N2_-RC	2.2	B, C, S	13/500MHz	8	0.35	440
TF02-2N3_-RC	2.3	B, C, S	13/500MHz	8	0.35	440
TF02-2N4_-RC	2.4	B, C, S	13/500MHz	8	0.35	440
TF02-2N5_-RC	2.5	B, C, S	13/500MHz	8	0.35	440
TF02-2N6_-RC	2.6	B, C, S	13/500MHz	8	0.35	440
TF02-2N7_-RC	2.7	B, C, S	13/500MHz	8	0.35	440
TF02-2N8_-RC	2.8	B, C, S	13/500MHz	6	0.45	380
TF02-2N9_-RC	2.9	B, C, S	13/500MHz	6	0.45	380
TF02-3N0_-RC	3.0	B, C, S	13/500MHz	6	0.45	380
TF02-3N1_-RC	3.1	B, C, S	13/500MHz	6	0.45	380
TF02-3N2_-RC	3.2	B, C, S	13/500MHz	6	0.45	380
TF02-3N3_-RC	3.3	B, C, S	13/500MHz	6	0.45	380
TF02-3N4_-RC	3.4	B, C, S	13/500MHz	6	0.55	380
TF02-3N5_-RC	3.5	B, C, S	13/500MHz	6	0.55	380
TF02-3N6_-RC	3.6	B, C, S	13/500MHz	6	0.55	380
TF02-3N7_-RC	3.7	B, C, S	13/500MHz	6	0.55	340
TF02-3N8_-RC	3.8	B, C, S	13/500MHz	6	0.55	340
TF02-3N9_-RC	3.9	B, C, S	13/500MHz	6	0.55	340
TF02-4N3_-RC	4.3	B, C, S	13/500MHz	6	0.65	320
TF02-4N7_-RC	4.7	B, C, S	13/500MHz	6	0.65	320
TF02-5N4_-RC	5.4	B, C, S	13/500MHz	6	0.85	280
TF02-5N6_-RC	5.6	B, C, S	13/500MHz	6	0.85	280
TF02-5N9_-RC	5.9	B, C, S	13/500MHz	6	0.85	280
TF02-6N5_-RC	6.5	B, C, S	13/500MHz	6	1.05	260
TF02-6N8_-RC	6.8	B, C, S	13/500MHz	6	1.05	260
TF02-7N2_-RC	7.2	B, C, S	13/500MHz	6	1.05	260
TF02-8N0_-RC	8.0	B, C, S	13/500MHz	5.5	1.25	220
TF02-8N1_-RC	8.1	B, C, S	13/500MHz	5.5	1.25	220
TF02-8N2_-RC	8.2	B, C, S	13/500MHz	5.5	1.25	220
TF02-9N1_-RC	9.1	B, C, S	13/500MHz	5.5	1.25	220
TF02-10N0_-RC	10.0	F, G, H, J	13/500MHz	4.5	1.35	200
TF02-10N8_-RC	10.8	F, G, H, J	13/500MHz	4.5	1.35	200
TF02-12N0_-RC	12.0	F, G, H, J	13/500MHz	3.7	1.55	180
TF02-13N8_-RC	13.8	F, G, H, J	13/500MHz	3.7	1.75	180
TF02-15N0_-RC	15.0	F, G, H, J	13/500MHz	3.3	1.75	130
TF02-17N0_-RC	17.0	F, G, H, J	13/500MHz	3.1	1.95	100
TF02-18N0_-RC	18.0	F, G, H, J	13/500MHz	3.1	2.15	100
TF02-20N8_-RC	20.8	F, G, H, J	13/500MHz	2.8	2.55	90
TF02-22N0_-RC	22.0	F, G, H, J	13/500MHz	2.8	2.65	90
TF02-27N0_-RC	27.0	F, G, H, J	13/500MHz	2.5	3.25	75
TF02-33N0_-RC	33.0	J	13/500MHz	2.5	4.50	75

To complete part number insert tolerance designator: B=±0.1nH, C=±0.2nH, S=±0.3nH, F=±1%, G=±2%, H=±3%, J=±5%

All specifications subject to change without notice.

Features

- 0402 size SMD suitable for pick and place automation
- Low Profile under .327mm!
- Photolithographic single layer ceramic Inductor
- High SRF and Q values
- Inductance stable in high frequency circuits

Electrical

Inductance Range: .2nH to 33nH
Tolerance: As noted from +/-0.1nH to 5%
Test Frequency: 500mHz
Operating Temp: -40ºC to +85ºC
IDC: Current at which the inductance will drop by no more than 10% from initial value without current.

Resistance to Soldering Heat:

Test Method: 260ºC +/-5 for 10 seconds, per Mil-STD-202 Method 210E

Test Equipment

(L&Q): HP4287 + Agilent 1619B

Physical

Packaging: 10000 pieces per 7 inch reel.
Marking: None