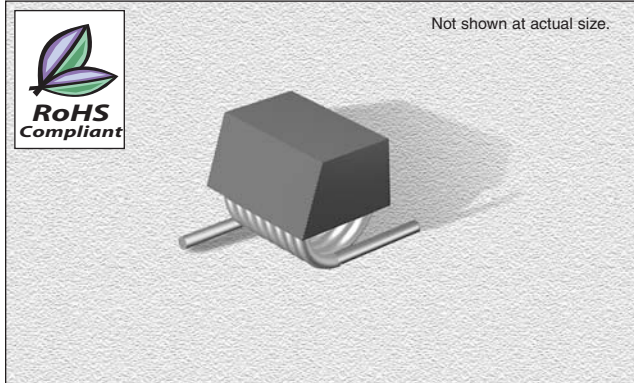


02-038F Series

From 2.5 nH to 43 nH



CHARACTERISTICS

- Description:** SMD air core "spring" inductor
- Applications:** Designed to operate a wide frequency range application. Also designed to operate in high Q applications.
- Operating Temperature:** -40°C to +85°C
- Inductance Tolerance:** ±2%, ±5%, ±10%,
- Testing:** Inductance is tested on an HP4286A at 150 MHz
- Packaging:** Tape & Reel
- Tape Size:** 12 mm wide 1Ts ~ 5Ts, 16 mm wide 6Ts ~ 10Ts
- Miscellaneous:** RoHS Compliant.
- Additional Information:** Additional electrical & physical information available upon request
- Samples available.** See website for ordering information.

SPECIFICATIONS

Please specify tolerance code when ordering.
 02-038F-03T_ ← G = ±2%, J = ±5%, K = ±10%

Part Number	Inductance (nH)	# Of Turns	Q Fact. Min.	SRF (GHz)	DCR Max. (mΩ)	IDC Max. (A)
02-038F-01TK	2.5	1	145	12.5	1.1	4
02-038F-02TK	5.0	2	140	6.5	1.8	4
02-038F-03T_	8.0	3	140	5.0	2.6	4
02-038F-04T_	12.5	4	137	3.3	3.4	4
02-038F-05T_	18.5	5	132	2.5	3.9	4
02-038F-06T_	17.5	6	100	2.2	4.5	4
02-038F-07T_	22.0	7	102	2.1	5.2	4
02-038F-08T_	28.0	8	105	1.8	6.0	4
02-038F-09T_	35.5	9	112	1.5	6.8	4
02-038F-10T_	43.0	10	106	1.2	7.9	4

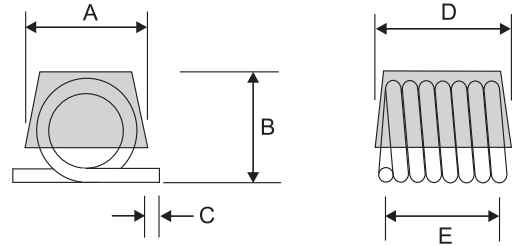
PHYSICAL DIMENSIONS

038F-01T ~ 038F-05T

Size	*A	*B	*C	*D	*E
mm	3.05	3.18	0.58±0.38	3.68	2.92±0.25
inches	0.12	0.125	0.023±0.015	0.145	0.115±0.01

038F-06T ~ 038F-10T

Size	A	B	C	D	E
mm	3.05	3.18	0.58±0.38	6.86	5.84±0.25
inches	0.12	0.125	0.023±0.015	0.270	0.230±0.01



*Dimensions for "-01TK" & "-02TK":

- A: 2.6±0.2mm / 0.102±0.008"
- B: 2.7±0.2mm / 0.106±0.008"
- C: 0.7±0.2mm / 0.028±0.008"
- D: 3.3±0.3mm / 0.130±0.012"
- E: 2.9±0.3mm / 0.114±0.012"

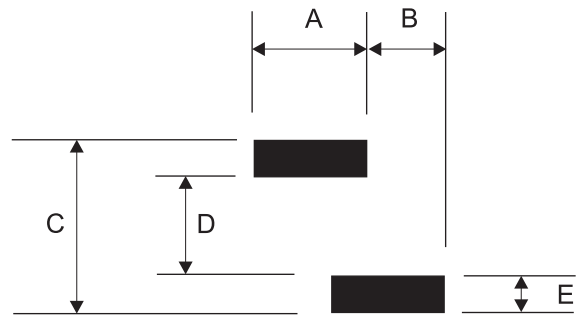
PAD LAYOUT

038F-01T ~ 038F-05T

Size	A	B	C	D	E
mm	3.3	2.79	4.19	1.65	1.27
inches	0.13	0.11	0.165	0.065	0.05

038F-06T ~ 038F-10T

Size	A	B	C	D	E
mm	3.3	2.79	7.24	4.7	1.27
inches	0.13	0.11	0.285	0.185	0.05



05.20.11