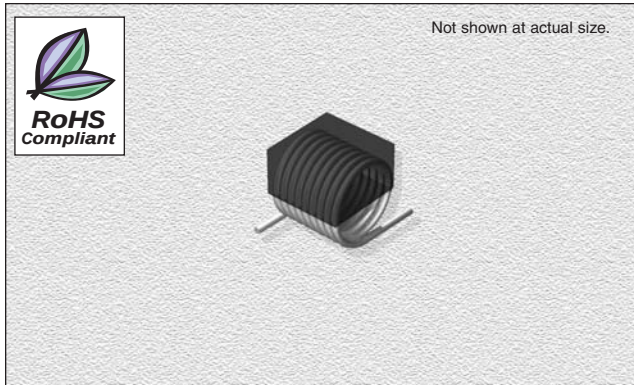


CT1812SMSF Series

From 22 nH to 120 nH



CHARACTERISTICS

Description: SMD air core inductor

Applications: Pagers, Cordless phones, High frequency communication products, Intercom, CATV.

Inductance Tolerance: $\pm 5\%$, $\pm 10\%$

Testing: Inductance is tested on an HP4287A at 150MHz

Operating Temperature: -40°C to $+85^{\circ}\text{C}$

Packaging: Tape & Reel

Miscellaneous: RoHS Compliant.

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

SPECIFICATIONS

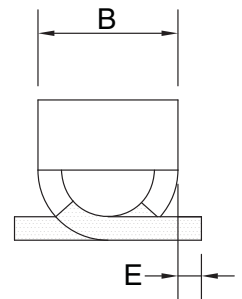
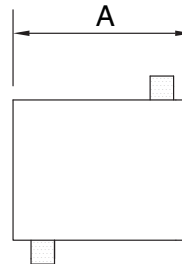
Part numbers indicate available tolerance.

J = $\pm 5\%$, K = $\pm 10\%$

Part Number	Inductance (nH)	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Typ. (m Ω)	IDC Max. (A)
CT1812SMSF-22NK	22	100	150	3.20	4.7	3.2
CT1812SMSF-27NK	27	100	150	2.70	4.4	3.5
CT1812SMSF-33NK	33	100	150	2.50	5.7	3.0
CT1812SMSF-39NJ	39	100	150	2.10	5.4	2.8
CT1812SMSF-47NJ	47	100	150	2.10	6.7	2.8
CT1812SMSF-56NJ	56	100	150	1.50	6.3	2.9
CT1812SMSF-68NJ	68	100	150	1.50	7.8	2.9
CT1812SMSF-82NJ	82	100	150	1.30	8.7	2.6
CT1812SMSF-R10J	100	100	150	1.20	9.8	2.5
CT1812SMSF-R12J	120	100	150	1.10	10.7	2.2

PHYSICAL DIMENSIONS

Size	A	*B	*C	D	E
mm	4.7 $\pm$ 0.3	3.5 $\pm$ 0.2	3.5 $\pm$ 0.2	4.3 $\pm$ 0.4	1.0 $\pm$ 0.3
inches	0.185 $\pm$ 0.012	0.138 $\pm$ 0.008	0.138 $\pm$ 0.008	0.169 $\pm$ 0.016	0.039 $\pm$ 0.012



***Note:** CT1812SMSF-R12J

Dimension: B = 3.9 $\pm$ 0.3mm

C = 3.8 $\pm$ 0.3mm

