RoHS

COMPLIANT

HALOGEN

FREE



Wirewound, Surface-Mount, Molded, Shielded Inductors



STANDARD ELECTRICAL SPECIFICATIONS									
IND. (μH)	TOL.	TEST FREQ. (MHz) L & Q	Q MIN.	SRF MIN. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA) ⁽¹⁾			
0.010 0.012 0.015 0.018 0.022 0.027 0.033 0.039 0.047 0.056 0.082 0.10 0.12 0.27 0.33 0.39 0.47 0.56 0.68 0.82 1.0 1.2 1.5 1.5 1.8 2.2 2.7 3.3 3.9 4.7 5.6 6.8 8.2 10.0 12.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15	±20%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	50 50 50 50 50 50 50 50 50 50 50 25.2 25.2	500 550 555 555 555 555 555 555 555 555	1000 1000 1000 1000 1000 1000 1000 100	0.10 0.11 0.12 0.13 0.15 0.17 0.28 0.35 0.45 0.20 0.20 0.24 0.30 0.33 0.36 0.40 0.48 0.50 0.65 0.75 0.85 0.90 1.10 1.25 1.40 1.60 1.65 2.30 2.70 3.31 3.30 3.31 3.30 3.00	810 750 720 690 640 610 585 530 485 460 630 630 630 630 475 465 450 455 450 455 450 220 210 210 210 210 210 210 210 210 21			

Rated DC current based on the maximum temperature rise, not to exceed 40 °C at +85 °C ambient

F	EATURES
•	Molded cons

- struction provides superior strength and moisture resistance
- Tape and reel packaging for automatic handling, 2000/reel, EIA-481
- · Compatible with vapor phase, infrared, and wave soldering methods
- · Shielded construction minimizes coupling to other components
- · Material categorization: for definitions of compliance please see www.vishav.com/doc?99912

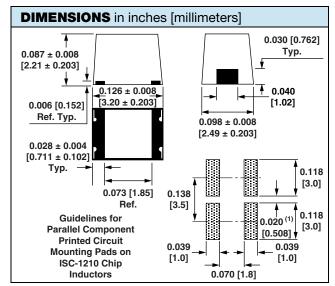
ELECTRICAL SPECIFICATIONS

Inductance range: 0.01 µH to 100 µH Special tolerances available upon request Operating temperature: -55 °C to +125 °C

Coilform material: non-magnetic for 0.01 µH to 0.10 µH;; powdered iron for 0.12 µH to 100 µH

TEST EQUIPMENT

- H/P 4342A Q meter with Vishay Dale test fixture or equivalent
- H/P 4191A RF impedance analyzer (for SRF measurements)
- Wheatstone bridge

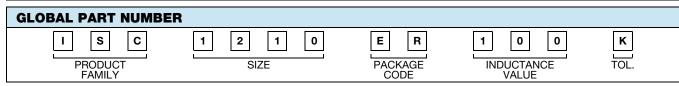


Recommended minimum spacing between components

PART MARKING

- Vishay DaleInductance code
- Date code

DESCRIPTION								
ISC-1210	10 µH	± 10 %	ER	e3				
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC® LEAD (Pb)-FREE STANDARD				



Revision: 10-Sep-2019 Document Number: 34060



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Vishay

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ISC1210SYR33M ISC1210SYR39M ISC1210SYR39K ISC1210SY6R8J ISC1210SY6R8K ISC1210SYR56M ISC1210SYR56K ISC1210SY150K ISC1210SY270K ISC1210BN1R5K ISC1210SY8R2K ISC1210SY470J ISC1210SY470K ISC1210SY10NM ISC1210SY100K ISC1210BN100K ISC1210SY4R7J ISC1210SY4R7K ISC1210SY3R3K ISC1210SY3R9J ISC1210SY3R9K ISC1210EBR68J ISC1210SY1R2K ISC1210ER2R7K ISC1210ER3R3K ISC1210ER560K ISC1210ER820K ISC1210ER1R5J ISC1210ER220J ISC1210ER270J ISC1210BN150J ISC1210BN1R2K ISC1210 .068 10% ISC1210ERR68M ISC1210SY101K ISC1210EBR56J ISC1210SY1R5K ISC1210BNR68K ISC1210SYR18M ISC1210SYR15M ISC1210SY2R2K ISC1210SYR12M ISC1210BN470J ISC1210SYR82M ISC1210SYR82J ISC1210SYR82K ISC1210SYR47M ISC1210BNR82K ISC1210SY180K ISC1210EB1R0J ISC1210SY1R8K ISC1210SY120K ISC1210SY1R0K ISC1210EB100J ISC1210SY330K ISC1210BNR15K ISC1210BN220J ISC1210EBR82J ISC1210EB8R2J ISC1210 .047 20%TR ISC1210 .082 20%TR ISC1210 .22 20%TR ISC1210 1.2 10%TR ISC1210 10 5% ISC1210 2.2 5%TR ISC1210 22 10%TR ISC1210 39 10%TR ISC1210 68 5%TR ISC1210ER101K ISC1210ER150K ISC1210ER1R0K ISC1210ER220K ISC1210ER2R2K ISC1210ER330K ISC1210ER33NM ISC1210ER390K ISC1210ER4R7J ISC1210ER4R7K ISC1210ER8R2K TJ6-2U 330 15% ISC1210ER1R8J ISC-1210-0.12-20%-B13 ISC-1210-2.2-10%-B13 ISC1210ER100K ISC1210ER1R2K ISC1210ER470J ISC1210ER6R8K ISC1210ERR22M ISC1210ERR27M ISC1210ERR82M ISC1210EB100K ISC1210BN68NK ISC1210SY680J ISC1210BN2R2K ISC1210SY390K ISC1210BNR12M ISC1210SY82NM ISC1210SY2R2J ISC1210SY220K ISC1210BN100J