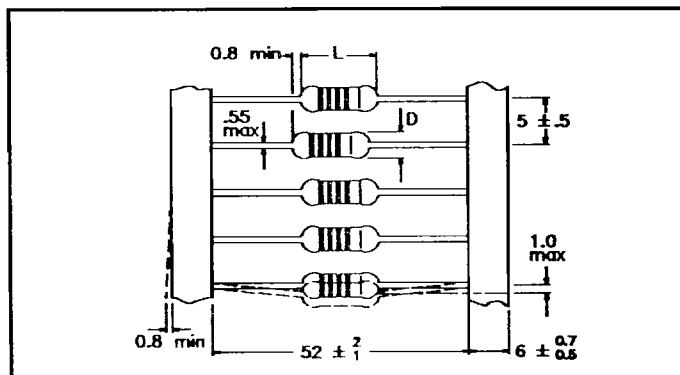




SMALL FIXED-VALUE INDUCTORS FOR GENERAL APPLICATIONS

Stetron inductors are available on tape and reel for automatic insertion applications. The three sizes, in two ranges, accommodate inductances from 0.22 microhenries to 1 millihenry. Current ratings are from 1.4 amps at 2.2 microhenry to 100 mA at 1 millihenry.

Tolerance is 20% on the smaller values and 10% on the larger. Nominal inductance values are standard EIA sizes, and the inductors are color coded for values.



APPLICATIONS

Standard applications include decoupling and filtering uses in RF and telecommunications equipment. Their small size and low cost make them ideal where normally a surface mount component might be specified. Also for EMI/RFI suppression in lower powered electronic equipment.

AL2 SERIES

Thirty seven discrete values from 0.22 to 220 μ H
 Current ratings 400 mA to 35 mA (0.22 to 220 μ H)
 Self resonant frequency 150 to 5 MHz (0.22 to 220 μ H)
 Body length 3.4 mm; diameter 2.3 mm

AL3 SERIES

In 45 standard values from 0.22 μ H to 1 mH
 (as for AL2 Series, but eight values added from 220 μ H up)
 Current ratings from 400 mA to 40 mA (1 mH)
 Self resonant frequency 150 to 1.4 MHz (1 mH)
 Body length 7 mm; diameter 2.7 mm

AL4 SERIES

Same value range as AL3 Series
 Current ratings 1.4 A to 100 mA (0.22 μ H to 1 mH)
 Self resonant frequency 300 MHz to 1.4 MHz
 (0.22 μ H to 1 mH)
 Body length 9.8 mm; diameter 4 mm

Standard packing quantities: AL2 AL3, 2500; AL4, 2000

SPECIFICATIONS

Inductance Range	AL02 AL03/4	0.22 to 220 μ H 0.22 to 1000 μ H
Tolerance		$\pm 20\%$, $\pm 10\%$ (inductance dependent)
Temp. Range		-25°C to +85°C
Coating		Epoxy Multilayer coating
Lead		Tinned Copper
Dielectric Strength		1000 V AC (MIL-STD-292,301)
Insulation		1000 M Ω min. (MIL-STD-292, 302)
Humidity*		(MIL-STD-202, 106)
Temp. cycling*		(MIL-STD-202, 107)
Solderability*		(MIL-STD-202, 208)
Tensile Strength		More than 2 kg.
* For max. 10% change in inductance		

PART NUMBER

Specify AL2 (3 or 4) followed by inductance (in μ H)
 e.g. AL3 -3R9K (3.9 μ H); AL4 - 102K (1000 μ H)
 AL2 - R 22M (0.22 μ H)

STIIS037



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