



SCREENED LOAD COILS TYPE SL



Type SL

Types A to F have spaced silver-plated solenoid windings whilst in Types G to N the winding is of enameled and S.R.C. wire. Types O to Z are all wound with enameled and rayon covered solid wire. Each coil is wound on a high grade phenolic former having 4 pillar legs at the base and is totally screened in an aluminium can $\frac{1}{2}$ in. \varnothing x $\frac{1}{4}$ in. high, the top of the former being secured to the can with one of our well-known

white plastic fixing screws to allow for core adjustment from either end WITH ONE OF OUR NYLON TRIMMING TOOLS.

The windings are securely terminated across Pins 4 and 6, and thoroughly impregnated with a special low-loss polystyrene varnish which sets rock-hard. Pin 4 is regarded as the "HOT" pin. Pins 1 and 3 are normally blank and can be used for other component terminations, or for internally measured C_s.

This new range of 26 screened load Coils has been specially designed to provide the Tx man in particular with a wide choice of screened coils in small cans capable of handling several watts of RF power without undue warming up. The core tuning range of each coil is 1 to 1 and such that it is possible to select any value of inductance between 25uH and 300uH without a gap, and hex. hole iron dust cores are used throughout.

These S/L coils are equally suitable for GRID DRIVE OR ANODE LOAD CIRCUITS, and are also perfect for Sx or Tx Xtal osc. loads, mixer or VFO loads, and many other circuit applications; in fact, in any circuit application where a screened coil of medium Q is required.

SL Type	Max. L _u H	SL Type	Max. L _u H	SL Type	Max. L _u H	SL Type	Max. L _u H	SL Type	Max. L _u H
A	.25	G	1.4	M	8.0	S	44	Y	250
B	.33	H	1.9	N	10.5	T	60	Z	330
C	.44	I	2.5	O	14.0	U	80		
D	.60	J	3.3	P	19.0	V	105		
E	.80	K	4.4	Q	25.0	W	140		See also Type 510Q
F	1.05	L	6.0	R	33.0	X	190		

These coils are supplied complete with two SBA fixing screws and lockwashers for securing to chassis, and a simple adhesive drilling template.

Note 1
For inductance values *slight* up to 19.0uH please refer to our range 510Q.

Note 2
Other inductance values and Q figures can be obtained by substituting the iron dust cores for Ferrite cores. This may, however, increase the temperature coefficient slightly.



Remember that all silver leads have a natural inductance; therefore great care and attention should be given to earth returns and decoupling arrangements. Never couple a number of coils together with a common line. Always return each coil circuit back to the principal earth. Also do not introduce fancy shapes in aerial circuits. Short and direct is still the best!