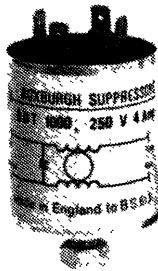


ROXBURGH SUPPRESSORS LTD.

HAYWOOD WAY IVYHOUSE LANE HASTINGS EAST SUSSEX TN35 4PL

Telephone: Hastings (0424) 442160 Telex: 957104 RSLG

Thyristor Suppression

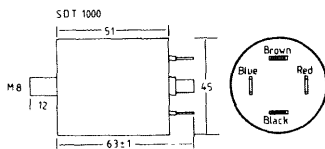


SDT 1000

This module is a general purpose SCR/TRIAC suppression filter designed to attenuate interference caused by this type of device in power control circuits. The core material is specially selected to provide the necessary attenuation. The filter should be connected as shown, CX and CY being provided externally.

CT 1000

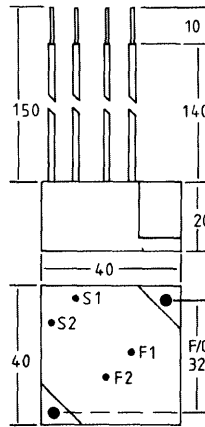
This addition to the Thyristor Suppression choke range is particularly suitable for multi-channel power controllers, i.e. dimming racks. The core material is selected to provide the required degree of attenuation consistent with low flicker levels. Suppression capacitors should be added externally as shown.



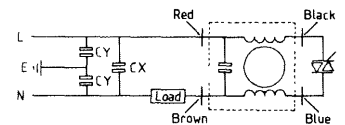
THYRISTOR SUPPRESSION

When semiconductor devices (SCR's, TRIAC's, REGULATOR I.C.'s, etc) are used to provide phase control for lamps, motors, etc. they generally cause high levels of interference, especially in the 150KHz to 5MHz region. The nature and amplitude of such interference varies between different circuits and types of load. There are various types of core material on which to wind suppression chokes and their suitability varies between applications. When faced with this type of suppression problem, customers are advised to contact our Technical Department for applications advice. Some examples of suppression products are shown.

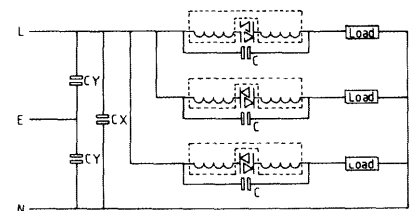
CT 1000



S1 BROWN F1 RED
S2 BLUE F2 BLACK
Mounting holes 3.3φ



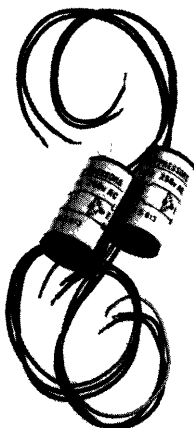
CX & CY must be provided externally. SDT 1000 provides components within dotted lines.



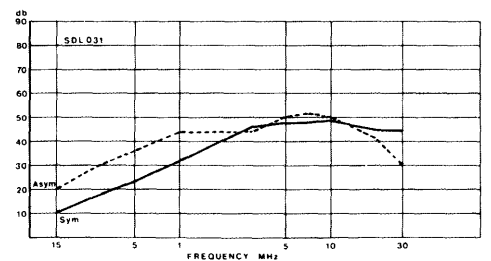
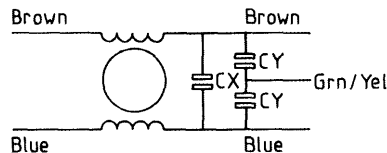
Multi channel suppression using CT 1000s

Brown Red Blue Black

Mains Filter Type SDL



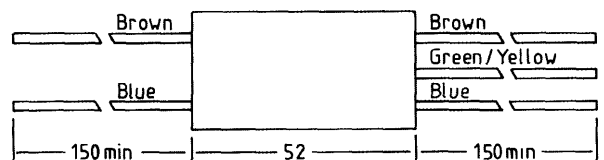
SDL 031



SDL 031

Rated Current	3 Amps
Rated Voltage	250 VAC
Rated Inductance	2 mH ± 25%
Rated Capacitance	0.1 μF (Cx) + 2 × 2200 pF (Cy)
Ambient Temperature	-20°C to +60°C

SDL 031



Case diameter 29

SDL 031

The SDL 031 is a compact filter constructed in a tubular A.B.S. case. Terminations are by flexible leads. The filter is light weight and may be spliced into a cable form, alternatively the filter may be secured by a "P" clip. Standard colour coding is shown with European colour coding being available.