



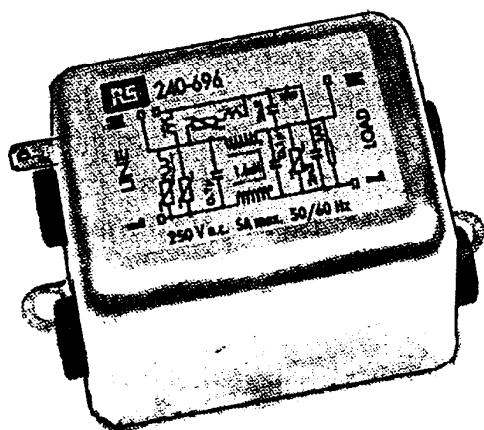
ENGLISH

Datasheet

MAINS EMC/Surge FILTER™

Combined Filtering, Surge Arrestors, and Ring Suppression in a standard filter enclosure.

RS 240-696



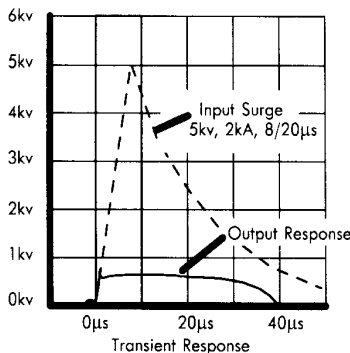
- ▶ **Standard Filter Footprint**
- ▶ **5 Amp continuous current**
- ▶ **6,500 Amp surge rating**
- ▶ **Big 420 J energy sink**
- ▶ **73dB rfi suppression typical**
- ▶ **Unique Ring Suppression**
- ▶ **Outdates Conventional Filters**
- ▶ **Ideal for Filter Retro-fit**
- ▶ **Designed to BS613, EN60950**

The EMC Directive is placing an increased requirement on manufacturers to ensure that their equipment meets specified levels of immunity to interference and electrical surges. A conventional filter can severely overshoot and ring (oscillate) when hit by a transient pulse. This effect in itself can cause damage to the protected equipment.

The MA05/SC FILTER™ will eliminate this problem and includes our proven Lightning/Surge protection circuitry that is designed to withstand surges in excess of IEC801-5 level 4. High quality rfi filtering, High Energy Absorption and the unique Ring Suppression circuitry will make this new FILTER™ module an essential alternative to the conventional Filter.

Special care has also been taken in the mechanical design to ensure a high safety factor under fault conditions.

The MA05/SC is manufactured in a sealed, tin plated, steel enclosure ready for mounting directly into equipment. It has space-saving low profile spade terminals for easy OEM connection, or retro-fitting, and therefore reduced labour time and costs.



The graph shows the typical output response of an MA05/SC for a 5 kV, 2 kA standard 8/20µs surge applied to the input.

SPECIFICATION:

Current rating: 5A @ 30°C
Temp. range: -25 to +85°C
Max. Attenuation:
Series Mode: 73dB
Common Mode: 70dB
Max. Surge Current: 6.5 kA
Earth Leakage: < 0.3mA
Operating freq: 50-400Hz
Dimensions:

Length: (case) 67mm
Width: 52mm
Height: 40mm
Weight: 150g

Enclosure:
Cold rolled steel, tin plated,
with low profile safety
connectors.

ORDER CODE:

| Family | Voltage | Code |
|-----------|---------|---------|
| MA05/SC/2 | (240v) | 810-935 |
| MA05/SC/1 | (110v) | 810-936 |