

## SPF85s

### Protector-filter



### Application:

For protection against overvoltages and surges in cable TV networks and defence TV receivers without worsening of signal quality. Overvoltage protection is provided by built-in recoverable surge protectors and galvanic decoupling of both central core and shielding of the coaxial line. The built-in high-pass filter is particularly suitable when used in TV networks with reverse path to suppress it without return loss. Intended for outdoor mounting.

### Features:

- Galvanic decoupling between input and output of both core and shielding of coaxial line;
- High rate of shielding against external interference;
- Connecting to coaxial line by F-connectors
- Built-in recoverable surge protection
- Pass band "FM+TV": 85 ÷ 862 MHz;
- Pass band "Data": 5 ÷ 862 MHz;
- Suppress band "FM+TV": 5 ÷ 65 MHz;
- Return loss in suppressed band "FM+TV" ( $Z_0=75\Omega$ ) > 15dB;
- Suitable for outdoor mounting.

### Technical specification:

Reverse path	Return loss	Suppression
5MHz	-30dB	-70dB
18MHz	-28dB	-65dB
40MHz	-25dB	-60dB
65MHz	-15dB	-56dB
Forward path	Return loss	Attenuation
85MHz	-18dB	-1.8dB
862MHz	-18dB	-0.6dB

RF connectors

Surge protection clamp threshold

Operating temperature range

Index of protection

Dimensions (L x W x H)

Weight

"F" type

230 VDC

-30 ÷ +50°C

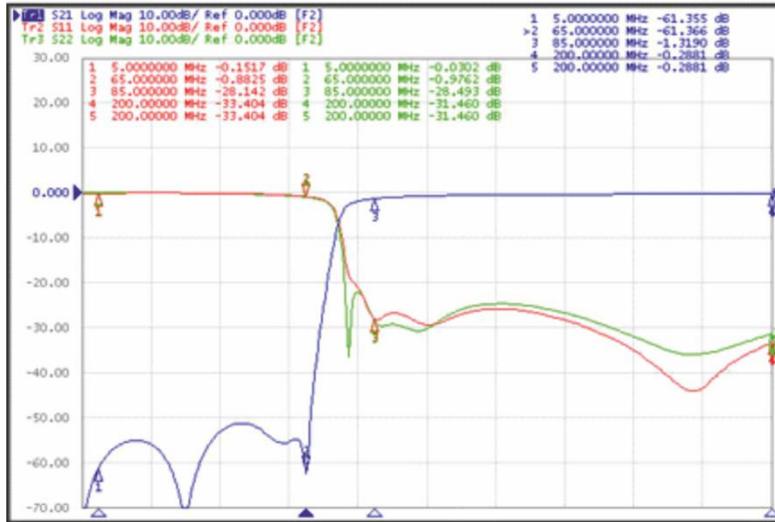
IP65

85 x 34 x 18 mm

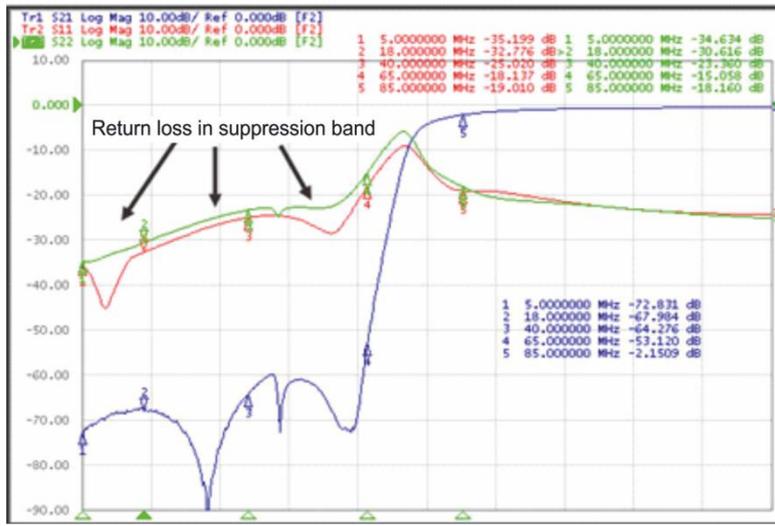
0.060 kg

**Amplitude-frequency characteristics:**

**Ordinary high-pass filter**



**Constant impedance filter SPF85s**



**Amplitude-frequency characteristic of SPF85s**

