

## **SPT85s/SPS85s**

### **Protector-filter-tap/splitter**



### **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 SPT85s:**

**Frequency band "FM+TV"**

Forward path	85 ÷ 862 MHz
Attenuation	-3 dB
Flatness	< 0.5 dB
Return loss	< -15 dB
Return path	5 ÷ 65 MHz
Suppression	< -50 dB
Return loss	< -18 dB

**Frequency band "Data"**

Forward path	5 ÷ 862 MHz
Attenuation	-8 dB
Flatness	< 0.5 dB
Return loss	< -20 dB

**Technical specification SPS85s:**

**Frequency band "FM+TV"**

Forward path	85 ÷ 862 MHz
Attenuation	-4 dB
Flatness	< 0.5 dB
Съгласуване	< -20 dB
Return path	5 ÷ 65 MHz
Suppression	< -50 dB
Return loss	< -18 dB

**Frequency band "Data"**

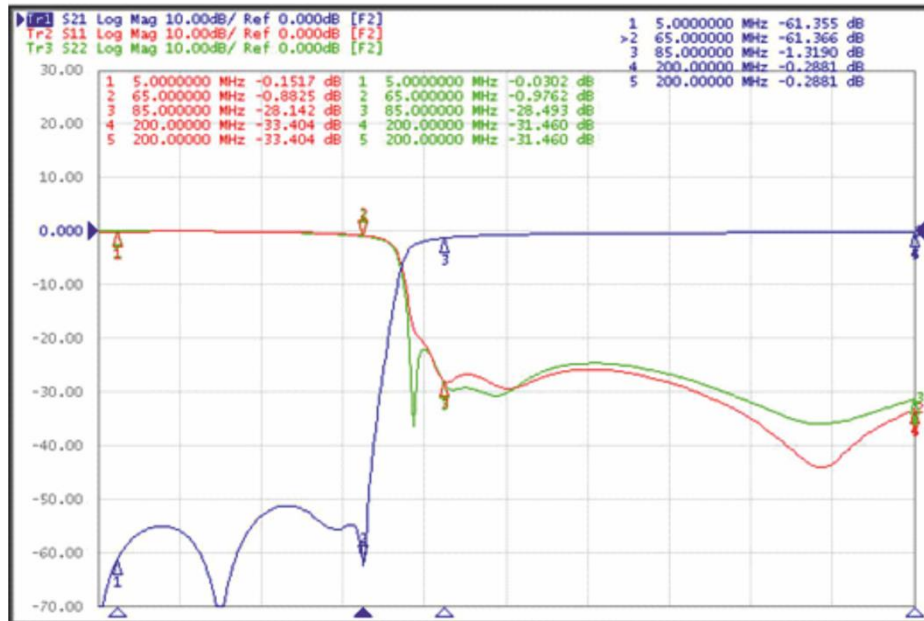
Forward path	5 ÷ 862 MHz
Attenuation	-4 dB
Flatness	< 0.5 dB
Return loss	< -20 dB

**Miscellaneous:**

RF connectors	"F" type
Surge protection clamp threshold	230 VDC
Operating temperature range	-30 ÷ +50°C
Index of protection	IP65
Dimensions (L x W x H)	73 x 60 x 16 mm
Weight	0.060 kg

Amplitude-frequency characteristics:

Ordinary high-pass filter



Constant impedance filter at port "FM+TV"

