

## SILVER range – Splitters SCS 2/3/4/6/8

Article No.349822/3/4/6/8



### Introduction

The TRIAX "SILVER" indoor Splitters are used in coaxial SAT-IF distribution networks operating with DVB-S/S2 (QPSK, 8PSK) or/and in MATV applications with DTT (COFDM) or DAB signals.

All outputs of the splitters are DC directionally coupled via diodes to the input.

Zinc die-cast housing with Tin plating and soldered back plate for very high shielding.

### Features

- Special performance for use in SAT-IF and MATV distribution networks
- Frequency range 5 MHz up to 2.4 GHz
- DC/AC pass through max. 24V/0.5A from all RF outputs to input directionally coupled by diodes
- High shielding of 110 dB
- Return loss Grade 3
- F- female connectors

### Technical specifications

Item name			SCS 2	SCS 3	SCS 4	SCS 6	SCS 8
Item Nr.			349822	349823	349824	349826	349828
EAN code			5061038080827	5061038080834	5061038080841	5061038080858	5061038080865
Splitter type			2-way	3-way	4-way	6-way	8-way
Frequency Range		Unit	Typical				
Insertion loss	IN-OUT	5-40MHz	≤4.5	≤7.5	≤8.5	≤11.5	≤12
		40-1000MHz	≤4.8	≤8.2	≤9	≤12.5	≤13
		1000-1750MHz	≤5.5	≤9.5	≤10.5	≤14	≤15.5
		1750-2150MHz	≤6	≤10.5	≤11.5	≤16.5	≤17
		2150-2400MHz	≤6.5	≤11.5	≤12	≤17.5	≤18.5
Return loss	IN-OUT	5-40MHz	≥10.5	≥8	≥10	≥8	≥7.9
		40-1000MHz	≥11	≥11	≥11	≥9	≥9
		1000-1750MHz	≥10	≥10	≥10	≥10	≥10
		1750-2150MHz	≥10	≥10	≥10	≥10	≥10
		2150-2400MHz	≥10	≥10	≥10	≥10	≥10
Isolation	OUT-OUT	5-40MHz	≥18	≥20	≥20	≥20	≥20
		40-1000MHz	≥21	≥21	≥21	≥21	≥21
		1000-1750MHz	≥21	≥20	≥20	≥20	≥20
		1750-2150MHz	≥20	≥20	≥20	≥20	≥20
		2150-2400MHz	≥20	≥20	≥20	≥20	≥20
Power pass (max. 24V/500mA)			Directionally coupled by diodes from all outputs to input				
Operating temperature			°C -30...+60				
Size W x H x D			mm 85 x 53 x 19	85 x 53 x 19	85 x 53 x 19	121 x 68 x 19	118 x 48 x 16
Net Weight			gr. 35	50	53	87	88