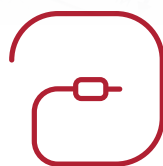
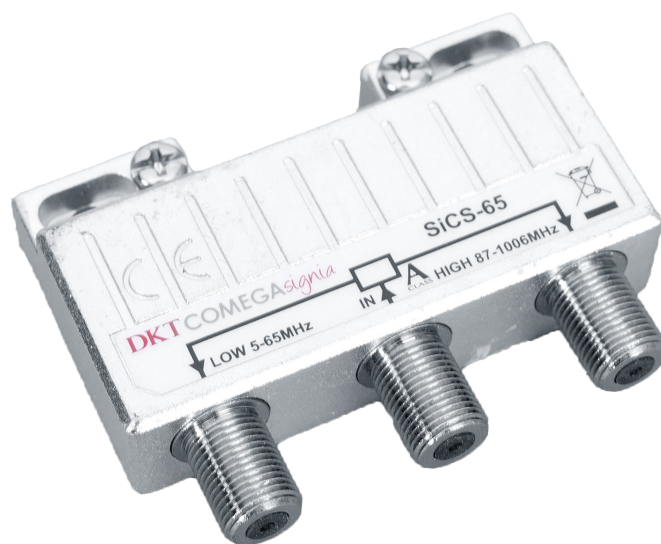


SIGNIA COMBINE/SPLITTER

LIGHTWEIGHT DESIGN | Easy and flexible installation



DATASHEET

INTRODUCTION

The Signia combiner/splitter is a special filter made from the same concept of Signia distribution passives of taps and splitters, meaning a reliable performance and superb specifications that optimizes network design options and efficiency.

A lightweight design allows easy handling. Mounting spacers that are easily snapped on and off provide a choice for spacing underneath the unit, thereby allowing a more flexible installation.

There is easy access to F-connectors, which are mounted on the same side. A unique construction of the female F-connector ensures secure connection to the inner conductor of the male connector, and furthermore, the alloy ensures minimal corrosion. This dramatically reduces the likelihood of signal dropout and the subsequent need for network troubleshooting.

The port number, frequency range and all connectors are clearly marked with rugged labels.

PRODUCT OVERVIEW

“SiCS-xxx series”

Parameter	SiCS-65		SiCS-204		SiCS-85	
Port	Low	High	Low	High	Low	High
Pass band (MHz)	5 - 65	87 - 1006	5 - 204	258 - 1300	5 - 85	108 - 1218
Pass band loss (dB)	0.5 (typ)	0.5 (typ)	0.5 (typ)	0.5 (typ)	0.5 /typ)	0.5 (typ)
Stop band (MHz)	87 - 1006	5 - 65	258 - 1300	5 - 204	108 - 1218	5 - 85
Stop band loss (dB)	> 35	> 35	> 40	> 40	> 40	> 40
Connectors	Brass milled, nickel tin plated, F-Female (ANSI/SCTE 01 2006)					
Voltage blocking [kV]	> 2					
Passive IM	> 125 dB, two carriers 50 and 55 MHz at 120 dBµV					
Dimensions [mm]	65 x 50 x 16					
Weight [g]	86					
Operating temperature [°C]	-25 to +70					
Item No.	48930		48931		48932	

STANDARDIZATION OF SIGNIA COMBINER/SPLITTER

The Signia combiner/splitter complies with a range of standards, below are some of the most relevant for cable TV networks.

Parameter	Name	Conformity
Dry Heat	EN60068-2-2	✓
Change of temperature	EN60068-2-14	✓
Return loss	EN60728-4	Grade ¹⁾
Screening effectiveness	EN50083-2	Exceeds Class A
Isolation (TAP-TAP)	EN60728-4	✓

¹⁾ 5 - 10 MHz: >18 dB

Parameter	Name	Conformity
Protection against intrusion	IEC 60529	IP67
Damp Heat	EN60068-2-30	✓
Salt Mist	EN60068-2-11	✓
Vibration	EN60068-2-6	✓

“SiCS-Xxx series”