



SAT IF-IF conversion system

SAT IF channel converters

- frequency conversion of SAT IF channels from different satellites or polarizations/sub-bands
- making a new frequency plan
- all converted channels could be transmitted via single cable
- independent output level adjustment for every section
- DIN rail or wall mounting
- robust die-cast housing
- connectors:
 - 4xRF - type F
 - screw terminal block for DC entry
 - power distribution bus
 - control bus

cs420
two sections
cs440
four sections



Technical specifications		cs420	cs440
T Y P E		cs420	cs440
Ordering number		01792	01793
Sections		2	4
RF input	frequency range pr.	950-2150 MHz by 1 MHz step	
	bandwidth pr.	6-60 MHz by 1 MHz step	
	level pr.	50...85 dBμV	
	maximum level difference between input signals	25 dB	
	return loss/impedance	> 10 dB/75 Ω	
	LNb powering/control pr.	0 V/13 V/18 V/13 V 22 kHz/18 V 22 kHz 400 mA max.	
	noise figure	< 9 dB	
	loop through frequency range	950-2150 MHz	
RF output	loop through loss	< 1.5 dB	
	frequency range pr.	950-2150 MHz by 1 MHz step	
	level	90 ± 2 dBμV	
	output level adjustment range per section pr.	0 ± -15 dB	
	return loss/impedance	> 10 dB/75 Ω	
	spurious in band	< -35 dB	
	loop through frequency range	5-2150 MHz	
	loop through loss	< 1 dB	
Supply voltage		12 ± 1 V	
Current consumption without external DC feeding		0.32 A	0.52 A
Operating temperature range		0° ± +45° C	
Dimensions/Weight (packed)		36x198x107.5 mm/0.85 kg	

pr. software control