



IKUSI

Satellite IF-IF Conversion Equipment

Processes 3 frequencies DVB-S/S2



IF-Sat input signal



Conversion of three channels

SPC-030 Converter

Main features

- Frequency conversion of Sat-IF channels coming from different satellites or polarizations in order to establish a new frequency plan where all the converted channels are transmitted on a single cable.
- Use with digital channels.
- Triple Converter. Conversion of three channels.
- Input mode configurable:
 - a) Loop-through, which facilitates interconnection of several modules to convert many channels transported by a down-lead cable.
 - b) Two independent inputs, for converting one channel transported by a down-lead cable and two channels transported by another.

MODEL		SPC-030
REF.		3844
Number of SAT-IF channels converted		3
Input mode		Configurable: a) Loop-through b) Two independent inputs: port up : 2-channel input port down : 1-channel input
Input section		
Input frequency	MHz	950 - 2150
Input level	dB μ V	48 ... 88
Input symbol rate	dB	6 ... 45
Max level difference between input signals		25
Noise figure		< 10
Input loop-through gain		0 (\pm 2)
Output section		
Output frequency band	MHz	950 - 2150
Output response flatness	MHz	< 3
Adjustable output level	dB μ V	78 ... 85
Phase noise	ppm	DVB-S2 compatible
Output loop-through loss	dB	1 (typ.) .. 1.8 (max)
Spurious in band	dBc	< -35

General		
Supply voltage	VDC	+12
Consumption	mA	210
Operating temperature	°C	0 ... +45
Input RF connector type		(2x) female F
Output RF connector type		(2x) female F
DC connector		banana socket
Programming interface		RS-232 / DB-9
Dimensions	mm	230 x 195 x 32

Example d'application

