

# Hills 1-Wire

## Active Taps

### Foxtel Approved



### Models Available

Part #	# of Ports	Foxtel IPL #
BC85051	32-WAY	F31018
BC85050	16-WAY	F31068
BC85106	8-WAY	F31067



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## Features

- Terrestrial Freq 5 – 862MHz
- Satellite Freq 950 – 2,400 MHz
- 12 – 18 V DC 2.33 AMP MAX
- Direct or Line Powered
- DC Isolation switch for Output
- Metal Shielded Housing
- All Ports F-Type connections
- 75Ω Impedance matching
- -20dB Test Port
- Earthing terminal and screw
- Gain Adjustment for TER & SAT
- Slope Adjustment for SAT

## Specifications

Model		Hills BC85051		Hills BC85050		Hills BC85106		Comments
# of Inputs		1		1		1		F-Type Female
# of Outputs		32		16		8		F-Type Female
Item	Model	HLS-420132-EV		HLS-420116-EV		HLS-420108-EV		N/A
	Frequency (MHz)	Typical Value	QC Limit	Typical Value	QC Limit	Typical Value	QC Limit	
Insertion Gain (dB)	47	10	≥8	10	≥8	10	≥8	Fixed Slope ~4dB
	862	14	≥12	14	≥12	14	≥12	
	950-2400	14	≥12	14	≥12	14	≥12	
	TAP TER/SAT	-10 ~ -6 / -6	-12 ~ -8 / -8	-10 ~ -6 / -6	-12 ~ -8 / -8	-10 ~ -6 / -6	-12 ~ -8 / -8	20dB lower than outputs
Gain Adjustment (dB)	TER	14	≥12	14	≥12	14	≥12	N/A
	SAT	14	≥12	14	≥12	14	≥12	
Slope Adjustment (dB)	SAT	11	≥10	11	≥10	11	≥10	
Out-of-Band Rejection (dB)	SAT↔TER	37	≥35	37	≥35	37	≥35	
Output Isolation (dB)	TER	30	≥28	30	≥28	30	≥28	
	SAT	35	≥30	35	≥30	35	≥30	
Return Loss (dB)	TER	12	≥10	12	≥10	12	≥10	
	SAT	12	≥10	12	≥10	12	≥10	
MAX output power level (dBuV)	TER	95	≥93	96	≥94	96	≥94	60 IMA <sup>3</sup> @ EN60728-5
	SAT	97	≥95	98	≥94	98	≥94	35 IMA <sup>3</sup> @ EN60728-3
DC Input Type / Spec		1 x 2.1mm Male JACK / 12 – 18V DC 2.33 Amp MAX						Hills PSU BC84485
DC control from/to IN		DIP SWITCH Control						N/A
Power Source options		PSU / In / Out #16		PSU / In / Out #8		PSU / In / Out #8		In/Out Line Powered
Power Consumption (mA)		350 MAX		280 MAX		180 MAX		N/A
Size L x W x H (mm)		394 x 138 x 51		242 x 138 x 51		242 x 138 x 51		
Weight (gm)		960		610		576		

Products, part numbers and specifications subject to change without notice