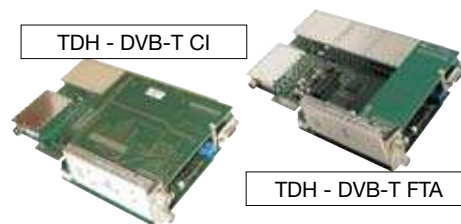


TDH digital terrestrial - COFDM to PAL

TDH DVB-T modules convert a digital terrestrial coded or uncoded signal to a modulated signal for distribution in a community cable system.

- Full-band high-quality modulator
- Conditional access via common interface (CI) or free to air (FTA)
- Advanced watchdog function
- Fully DVB T compatible
- Multi language menu
- MPEG transport stream available for slave modules
- Mono sound / A2 stereo / Nicam available



Technical data TDH - DVB-T modules (VSB) VHF/UHF

TYPE	Norm	DVB-T master with CI		DVB-T master Free to air		DVB-T master Free to air	
		Mono	A2 stereo	Nicam	Mono	A2 stereo	Nicam
Part No.	B/G	490762	490763	590763	490764	490765	590765
	D/K	490712	490713		490714	490715	
	Norm L	490712			490714		590715
	Pal I	490712			490714		
Input frequency range	MHz	177.5 - 858.0	177.5 - 858.0		177.5 - 858.0	177.5 - 858.0	
Input level *	dBμV	44...84	44...84		44...84	44...84	
Output frequency range	Ch.	2...69	2...69		2...69	2...69	
	MHz	47 - 862	47 - 862		47 - 862	47 - 862	
Output level SA modules **	dBμV	103	103		103	103	
Output level attenuator	dB	10	10		10	10	
Video S/N ratio	dB	> 54	> 54		> 54	> 54	
Differential phase	deg.	< 8	< 8		< 8	< 8	
Picture carrier stability	kHz	< +/- 70	< +/- 70		< +/- 70	< +/- 70	
Spurious signals ref pict. carrier C/N	dB	> - 60	> - 60		> - 60	> - 60	
Sound mode		Mono	A2 stereo	Nicam	Mono	A2 stereo	Nicam
Audio distortion @ 1 kHz	%	< 1	< 1		< 1	< 1	
Audio S/N ratio	dB	> 50	> 50		> 50	> 50	
Sound sub carrier stability	kHz	< +/- 5	< +/- 5		< +/- 5	< +/- 5	
LNB control 13/18 volt - 0/22 kHz	mA	200	200		200	200	
Conditional access	EN	50221	50221		FTA	FTA	
Teletext type		Reinserted in VBI	Reinserted in VBI		Reinserted in VBI	Reinserted in VBI	
Demultiplexer data rate	Mbps	< 65	< 65		< 65	< 65	
Video data rate	Mbps	< 15	< 15		< 15	< 15	
Viterbi rates	Mpps	1-30 (SCPC/MCPC)	1-30 (SCPC/MCPC)		1-30 (SCPC/MCPC)	1-30 (SCPC/MCPC)	
FFT mode	Mpps	2K/8K	2K/8K		2K/8K	2K/8K	
Constellations		QPSK, 16QAM, 64QAM			QPSK, 16QAM, 64QAM		
Guard interval		1/4, 1/8, 1/16, 1/32			1/4, 1/8, 1/16, 1/32		
Viterbi decoder		1/2, 2/3, 3/4, 5/6, 7/8			1/2, 2/3, 3/4, 5/6, 7/8		
Reed Solomon decoder		204,188, t=8.			204,188, t=8.		
Impedance	Ohm	75	75		75	75	
Operation temperature range	°C	-10...+50	-10...+50		-10...+50	-10...+50	
Weight - standard module	kg	0.45	0.45		0.45	0.45	
Dimensions (H x D x W)	mm	150 x 230 x 50	150 x 230 x 50		150 x 230 x 50	150 x 230 x 50	
Remarks		* Digital measuring - DCP ** Mounted in stand-alone cabinet					