



Compact Modulator

Fixed Channel

OT2M-1000

Features

- ◆ Available in all channels 2-135 (54-860MHz)
- ◆ CATV-Private Cable-Satellite-Institutional
- ◆ Closed Caption-Digital Compatible
- ◆ 45dBmV Output is stable and guaranteed
- ◆ High quality SAW filter for true adjacent channel performance
- ◆ Standard-HRC-IRC selectable
- ◆ Mono sound with preemphasis
- ◆ Exclusive low cost "Internal" BTSC Stereo upgrade
- ◆ Convenient front panel controls
- ◆ Die cast aluminum housing for better heat and noise performance
- ◆ Longest housing for easy connection access from the rear
- ◆ Universal Chassis compatible, fit and powering



OT2M-1000 Fixed Channel Mini-Modulator

Description	Minumn	Typical	Maximum	Unit	Note
1. RF Output Frequency Range	54	--	860	MHz	Fixed Channel
2. Output Level	45	--	--	dBmV	
3. Output Adjustment	12	15	--	dB	
4. Spurious Output @45dBmV A/V Carrier -15dB	-60	-63	--	dBc	
5. Sideband Filter Rresponse @87% Modulator (Multi-burst)					
5.1 Frequency: Fv- 2.00 MHz	-50	-55	--	dBc	
5.2 Frequency: Fv- 3.58 MHz	-60	-62	--	dBc	
5.3 Frequency: Fv- 4.50 MHz	-60	-62	--	dBc	
6. Frequency Stability	--	± 5	±10	KHz	Offset CH. ± 5 KHz
7. Output Return Loss	--	18	--	dB	Output @45 dBmV
8. Aural Carrier Adjustment Range	12	--	19	dB	Tolerance ± 3 dB
9. Video					
9.1 Input Level @87.5% Modulation	--	1.0	--	Vp-p	
9.2 Visual C/N @4MHz BW	60	63	--	dB	
9.3 Frequency response @30 Hz to 4 MHz	--	±1.0	±1.5	dB	
9.4 Differential Gain	--	--	5	%	
9.5 Differential Phase	--	--	5	Deg.	
10. Audio					
10.1 Input Level @25 KHz Deviation	0.5	--	--	Vp-p	Sin (1 KHz)
10.2 Sub-carrier Frequency 4.5 MHz	--	±1.0	± 2	KHz	
10.3 Audio Response 40 Hz to 15 KHz	--	--	±1.5	dB	75 us Pre-emphasis
11. Stereo Option					
11.1. Stereo Separation @2 KHz Tone	--	25	--	dB	40 Hz to 15 KHz
12. Peak to Peak Video to 60Hz RMS Hum	-60	-65	--	dB	
13. Operating Temperature	0	--	50	°C	
14. Power					
14.1 DC 12 V	--	0.8	--	W	
14.2 DC 5 V	--	1.3	--	W	
15. Size (LxWxH)		26x88x216		mm	