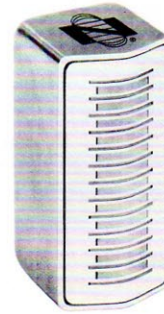
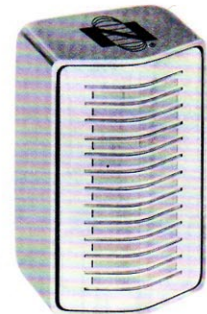


STUDIO SERIES 12 Channel 1" Tape

- FERRITE CORE ERASE CONSTRUCTION ASSURES 70 DB ERASURE
- HI-MU CASES FOR MAXIMUM SHIELDING
- ALL METAL CONSTRUCTION WITH SILICON-MONOXIDE GAPS ASSURES SUPERIOR RESPONSE AND HEAD LIFE WITH NO PHASE DISTORTION
- LAMINATED CROSSTALK SHIELDING FOR MAXIMUM ISOLATION—ALLOWS SIMULTANEOUS RECORD AND PLAY ON ADJACENT CHANNELS



RECORD



PLAY

12 CHANNEL STUDIO SERIES HEADS

MODEL NUMBERS	ERASE	RECORD	PLAY	
	STE-12U19	STR-12U28	STP-12U21	STP-12U29
Inductance @ 25 MV-1 kHz	.170 MHY			
Inductance @ 50 MV-1 kHz *		4.0 MHY		
Inductance @ 100 MV-1 kHz *			650 MHY	5.0 MHY
D. C. Resistance	4.5 Ohms	15 Ohms	720 Ohms	15 Ohms
1 kHz Impedance		30 Ohms		35 Ohms
Track Spacing Center to Center (Inches)	.085	.085	.085	.085
Gap Length (Inches)	.003	400 Micro	200 Micro	200 Micro
Track Width (Inches)	.048	.038	.038	.038
<p>TYPICAL OPERATING CHARACTERISTICS USING 3M 201 TAPE, BIASED FOR PEAK 1 kHz OUTPUT AND RECORDED AT A LEVEL OF 12 dB BELOW TAPE SATURATION FOR 1 kHz.</p> <p>TYPICAL ERASE CHARACTERISTICS USING 3M 201 TAPE FOR A MINIMUM 70 dB ERASURE OF A 400 Hz SATURATION SIGNAL.</p>				
Erase Voltage 100 kHz @ 7.5 IPS	9 Volts			
Erase Voltage 60 kHz @ 7.5 IPS	5.5 Volts			
Erase Current 100 kHz @ 7.5 IPS	8.5 MA			
Erase Current 60 kHz @ 7.5 IPS	85 MA			
Saturation Voltage 60 kHz	6.5 Volts			
Saturation Current 60 kHz	100 MA			
Peak Bias Voltage 120 kHz RMS @ 7.5 IPS		9.0 Volts		
Peak Bias Voltage 120 kHz RMS @ 15 IPS		10 Volts		
Bias Current 120 kHz @ 7.5 IPS		5.2 MA		
Bias Current 120 kHz @ 15 IPS		5.6 MA		
Audio Record Current @ 7.5 IPS		.33 MA		
Audio Record Current @ 15 IPS		.34 MA		
1 kHz Reproduce Output @ 7.5 IPS			1.7 MV	0.17 MV
1 kHz Reproduce Output @ 15 IPS				0.20 MV
10 kHz Playback Output RE 1 kHz @ 7.5 IPS			+2 dB	+1.0 dB
10 kHz Playback Output RE 1 kHz @ 15 IPS				+8.0 dB
15 kHz Playback Output RE 10 kHz @ 7.5 IPS			-4 dB	-5.0 dB
15 kHz Playback Output RE 10 kHz @ 15 IPS				-1.0 dB

* 7 MHY RECORD AND 70 MHY PLAYBACK MODELS ALSO AVAILABLE.