

STUDIO SERIES 24 Channel 2" 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



PLAY

24 CHANNEL STUDIO SERIES HEADS

MODEL NUMBERS	ERASE	RECORD	PLAY
	STE-24UN27	STR-24UN28	STP-24U29
Inductance @ 50 MV–1 kHz *	1.0 MHY	4.0 MHY	
Inductance @ 100 MV@1 kHz *			5.0 MHY
D. C. Resistance	12 Ohms	15 Ohms	15 Ohms
1 kHz Impedance		30 Ohms	35 Ohms
120 kHz Impedance	700 Ohms	2,500 Ohms	
Track Spacing Center to Center (Inches)	.084	.084	.084
Gap Length (Inches)	.003	400 Micro	200 Micro
Track Width (Inches)	.050	.038	.038
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.			
TYPICAL ERASE CHARACTERISTICS USING 3M-201 TAPE FOR A MINIMUM 70 DB ERASURE OF A 400 HZ SATURATION SIGNAL.			
Erase Voltage 120 kHz RMS @ 7.5 IPS	22 Volts		
Erase Current 120 kHz @ 7.5 IPS	30 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			0.17 MV
1 kHz Reproduce Output @ 15 IPS			0.20 MV
10 kHz Playback Output RE 1 kHz @ 7.5 IPS			+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			-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.