

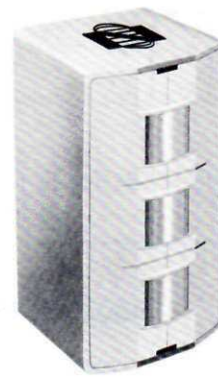
DESIGN DATA

NORTRONICS
AUDIO HEADS

SMPTE COMPATIBLE HEADS

3 Channel, 35 mm

Record Playback & Erase

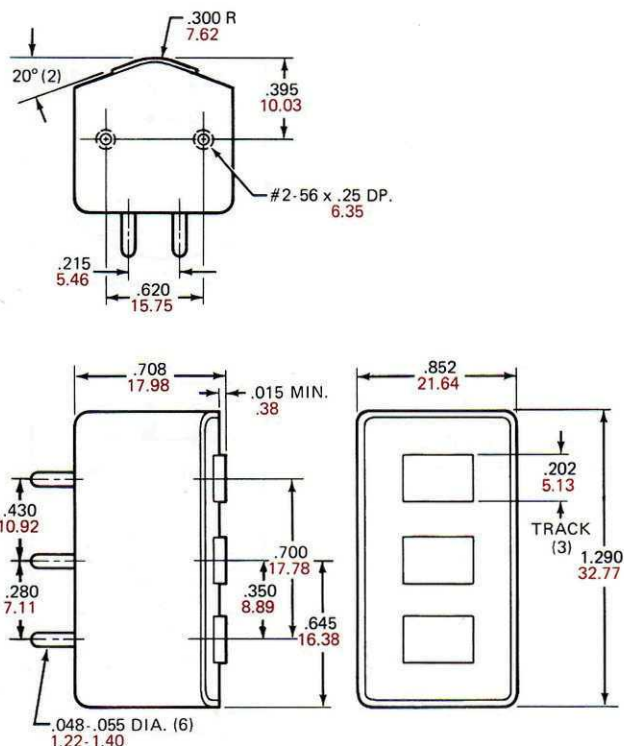


ELECTRICAL	MODEL NUMBER		
	MP3R	MP3P	MP3E
Head Function	Record	Playback	Erase
Inductance — 1 kHz - millihenrys	4.0	300	1.5
Impedance — 1 kHz - ohms	25	1900	—
Resistance, D.C., ohms	4.7	190	25
Gap Length, microinches	200	100	.003
Average 7.5 IPS constant current record/playback characteristics using 3M 150 tape peak biased @ 1 kHz and recorded 12 dB below tape saturation			
Peak Bias Current, 160 kHz, ma	12	—	50*
Bias Voltage, RMS, 160 kHz, volts	25	—	75*
Record Current, microamps	800	—	—
1 kHz Output, millivolts	—	3.7	—
10 kHz/1 kHz ratio, dB	—	+4	—
Average 4.0 IPS constant current record/playback characteristics using 3M 150 tape peak biased @ 1 kHz and recorded 12 dB below tape saturation			
Peak Bias Current, 160 kHz, ma	11	—	45*
Bias Voltage, RMS, 160 kHz, volts	22	—	70*
Record Current, microamps	700	—	—
1 kHz Output, millivolts	—	3.4	—
10 kHz/1 kHz ratio, dB	—	-4	—

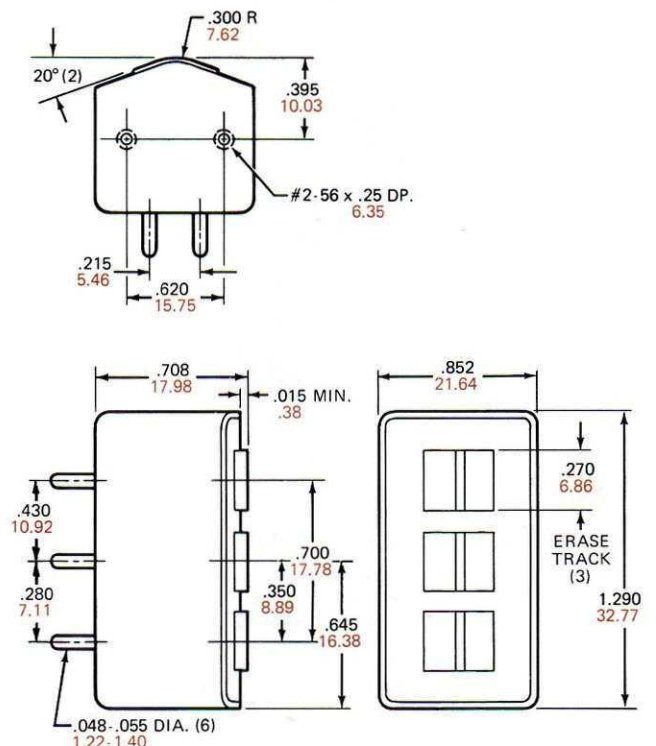
PHYSICAL CONFIGURATIONS

NOTE:
INCHES IN BLACK
MILLIMETERS IN COLOR

3 CHANNEL RECORD & PLAYBACK



3 CHANNEL ERASE



*Typical erase characteristics for 70 dB erasure of a 400 Hz saturated signal on 3M 201 tape.