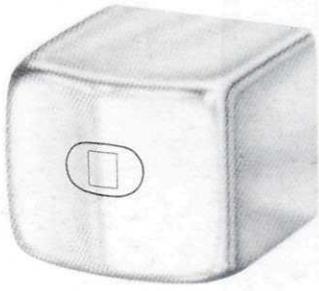


DESIGN DATA

NORTRONICS
AUDIO HEADS

B1HY & P-B1HY Half Track Mono R/P 0.080" SINGLE CHANNEL



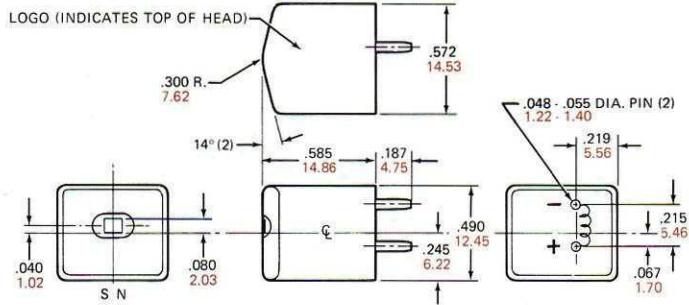
B1HY – STANDARD SERIES

ELECTRICAL	MODEL NUMBER			
	B1HY 4K	B1HY 4R	B1HY 7K	B1HY 2K
Head Function – Typical	Record/ Playback	Record Only	Record/ Playback	Record/ Playback
Inductance – 1 kHz - millihenrys	100	50	400	800
Impedance – 1 kHz - ohms	650	340	2650	5000
Resistance, D.C., Mono, ohms	70	70	180	400
Gap Length, microinches	100	500	100	100
Average 7.5 IPS constant current record/playback characteristics using 3M150 tape peak biased @ 1 kHz and recorded 12 dB below tape saturation				
Peak Bias Current, 60 kHz, ma	1.2	0.9	0.53	0.4
Bias Voltage, RMS, 60 kHz, volts	23	11	42	65
Record Current, microamps	65	63	32	25
1 kHz Output, millivolts	1.1	—	2.1	3.4
10 kHz/1 kHz ratio, dB	-1.0	—	-1.0	-1.0
Average 3.75 IPS constant current record/playback characteristics using 3M150 tape peak biased @ 1 kHz and recorded 12 dB below tape saturation				
Peak Bias Current, 60 kHz, ma	1.1	0.85	0.44	0.3
Bias Voltage, RMS, 60 kHz, volts	18	10	36	45
Record Current, microamps	60	60	30	22
1 kHz Output, millivolts	0.9	—	1.9	2.2
10 kHz/1 kHz ratio, dB	-11	—	-11	-11

PHYSICAL CONFIGURATIONS

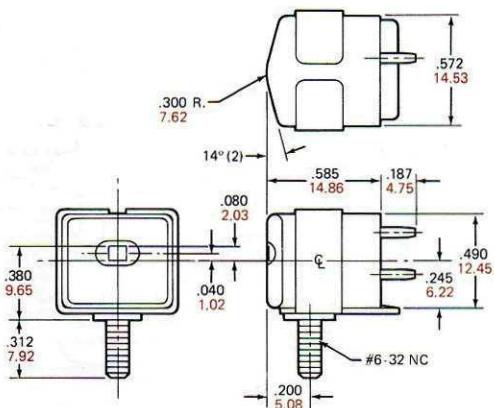
NOTE:
INCHES IN BLACK
MILLIMETERS IN COLOR

BASIC HEAD CONFIGURATION – NO MOUNT



HEAD WITH BASE MOUNT CONFIGURATION

TRACK ABOVE CENTER LINE SPECIFY: BU



TRACK BELOW CENTER LINE SPECIFY: BD

