



## Specifications

Tape Width:	1/4 inch - Mono, 2-track or 1/4 track 1/2 inch - 2 or 4 track	Frequency Response:	30 IPS CCIR 40-24Khz ± 1.5 dB 15 IPS IEC 30-22Khz ± 1.5 dB (Record-reproduce using AMPEX 456 tape) 7.5 IPS IEC 30-18Khz ± 1.5 dB 30 IPS AES 30-22Khz ± 1.5 dB 15 IPS NAB 30-22Khz ± 1.5 dB 7.5 IPS NAB 35-18Khz ± 1.5 dB 3.75 IPS NAB 40-12Khz ± 1.5 dB																											
Tape Speeds:	3.75, 7.5, 15, and 30 IPS	Crosstalk Rejection:	60 dB Minimum at 1Khz (stereo)																											
Variable Speed Range:	3.00 to 36.00 IPS in .01 IPS increments	Depth of Erasure:	80 dB or better at 1Khz (Ref. 250nW/M)																											
Tape Tension:	3.75 ounces, ± .5 ounces, at any tape speed from beginning to end of reel. (Measured between capstan and right-hand roller.)	Harmonic Distortion:	Less than .5% at 30 IPS Less than 1% at 15 IPS (THD at 250 nW/M, 1Khz fundamental) Less than 1.5% at 7.5 IPS Less than 2% at 3.75 IPS  (Distortion varies with bias setting and tape type)																											
Start Time: (To .1% DIN Flutter using 10.5 inch reels)	.40 seconds at 3.75 IPS .50 seconds at 7.5 IPS .60 seconds at 15 IPS .85 seconds at 30 IPS																													
Rewind Time:	120 seconds for 2400 feet																													
Wow Flutter: (DIN 45507 Weighted)	Less than .025% at 30 IPS Less than .04% at 15 IPS Less than .06% at 7.5 IPS Less than .10% at 3.75 IPS																													
Signal-To-Noise Ratio:	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>Full Track</th> <th>2-Track</th> </tr> </thead> <tbody> <tr> <td>(Ref. 510nW/M)</td> <td>30 IPS 71dB</td> <td>68dB</td> </tr> <tr> <td></td> <td>15 IPS 68dB</td> <td>65dB</td> </tr> <tr> <td>(Unweighted, 30-18Khz)</td> <td>7.5 IPS 65dB</td> <td>62dB</td> </tr> <tr> <td></td> <td>3.75 IPS 63dB</td> <td>60dB</td> </tr> <tr> <td></td> <td>30 IPS 75dB</td> <td>72dB</td> </tr> <tr> <td></td> <td>15 IPS 72dB</td> <td>69dB</td> </tr> <tr> <td>(ANSI "A"-Weighted)</td> <td>7.5 IPS 69dB</td> <td>66dB</td> </tr> <tr> <td></td> <td>3.75 IPS 67dB</td> <td>64dB</td> </tr> </tbody> </table>		Full Track	2-Track	(Ref. 510nW/M)	30 IPS 71dB	68dB		15 IPS 68dB	65dB	(Unweighted, 30-18Khz)	7.5 IPS 65dB	62dB		3.75 IPS 63dB	60dB		30 IPS 75dB	72dB		15 IPS 72dB	69dB	(ANSI "A"-Weighted)	7.5 IPS 69dB	66dB		3.75 IPS 67dB	64dB		
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