

| Mechanical Data | | | | | | | | | | | | |
|-----------------|----------------------------|----------------|------------|-----------------------|--------------------------------|------------------------------|-----------|-----------|-----------|----------|---------|--|
| Chip Type | Specification | | | Number of | I.C. Physical Dimensions (mm) | | | | | | | |
| Number | Spec. Nbr. | Rev | Dated | Channels | Size (maximum) | Height | Pins | Pin Pitch | Tag size | | | |
| DRH 100 E | DRH100EDS | C | Nov.2000 | One | 10.49 x 10.643 | 2.642 | 16 | 1.27 | 0.4 | | | |
| | 7 pages | | | | | | | | | | | |
| DRH 200 E | DRH200EDS | C | Nov.2000 | Two | 15.55 x 10.55 | 2.63 | 24 | 1.27 | 0.4 | | | |
| | 7 pages | | | | | | | | | | | |
| DRH 300 E | DRH300EDS | C | Nov.2000 | Three | 16.002 x 10.566 | 2.794 | 48 | 0.635 | 0.33 | | | |
| | 8 pages | | | | | | | | | | | |
| Electrical Data | | | | | | | | | | | | |
| Type Number | Data Rate | Bit Density | Supply Vdd | V ref | Current Standby | Current Operate | Osc.Freq. | T rise | T fall | T rise | T fall | |
| | | | | | | | | RDP & RCP | | CLS | | |
| DRH 100 E | 300/12600 | 75 / 210 b.p.i | 3.3V | 1.15 V | 10 uA | 0.8 mA | 2.5MHz | 75nSec | 27nSec | 4.1 uSec | 21 uSec | |
| | F2F b.p.s | | 5.0V | 2.0 V | 10 uA | 1.25mA | 2.5MHz | 70 nSec | 18 nSec | 1.8 uSec | 16 uSec | |
| DRH 200 E | 300/12600 | 75 / 210 b.p.i | 3.3V | 1.15 V | 10 uA | 0.8 mA | 2.5MHz | 75nSec | 27nSec | 4.1 uSec | 21 uSec | |
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| DRH 300 E | 300/12600 | 75 / 210 b.p.i | 3.3V | 1.15 V | 10 uA | 0.8 mA | 2.5MHz | 75nSec | 27nSec | 4.1 uSec | 21 uSec | |
| | F2F b.p.s | | 5.0V | 2.0 V | 10 uA | 1.25mA | 2.5MHz | 70 nSec | 18 nSec | 1.8 uSec | 16 uSec | |
| DRH Head Type | | | | Chip component values | | | | | | | | |
| Description | Number | Inductance | Resistance | Chip nbr. | Component Ref.Nbr. | R1 | C1 | | | | | |
| One Track | 01-9370 family | 215 mH | 230 Ohms | DRH | 100 E | Please use Circuit # A | | | | | | |
| | 01-9790 family | 215 mH | 230 Ohms | | | Values recommended | 15 K Ohms | 4700pFd | | | | |
| | 01-984 | 215 mH | 230 Ohms | | | | | | | | | |
| Description | Number | Inductance | Resistance | Chip nbr. | Component Ref.Nbr. | R10 & R11 | R12 & R13 | | | | | |
| Two Track | 02-3460 family | 110 mH | 280 Ohms | DRH | 200 E | Please use Circuit # B | | | | | | |
| | 02-3740 family | 110 mH | 280 Ohms | | | Values recommended | 10 K Ohms | 10 K Ohms | | | | |
| | 02-3811 / 02-3815 | 110 mH | 280 Ohms | | | | | | | | | |
| | 02-3450 family | 48 mH | 110 Ohms | | | | | | | | | |
| | 02-3520 family | 28 mH | 135 Ohms | | | Please use Circuit # D | | | | | | |
| Description | Number | Inductance | Resistance | Chip nbr. | Component Ref.Nbr. | R10 & R11 | R12 & R13 | R14 & R15 | | | | |
| Three Track | 03-1550 family | 110 mH | 280 Ohms | DRH | 300 E | Please use Circuit # C | | | | | | |
| | | | | | | Values recommended | 10 K Ohms | 10 K Ohms | 10 K Ohms | | | |
| | 03-1590 family | 48 mH | 110 Ohms | | | | | | | | | |
| | 03-1620 | 28 mH | 135 Ohms | | | Please use circuit # E | | | | | | |
| | 03-1860 family | 8 mH | 30 Ohms | | | | | | | | | |
| | HiCo / LoCo | | | 300 E | Values recommended | Circuit/values to be advised | | | | | | |
| Note :- | | | | | | | | | | | | |
| | RDP is Read Data Pulse | | | | | | | | | | | |
| | RCP is Read Data Clock | | | | | | | | | | | |
| | CLS is Card Loading Signal | | | | | | | | | | | |