

INTERFACE SPECIFICATIONS

6.1 INTRODUCTION

Table 6-1 lists the specifications for the V.35/306 DTE/DCE Data Interface.

Table 6-1
V.35/306 DTE/DCE Data Interface Specifications

Item	Specification
Maximum data rates 306 mode V.35 mode	15 Mb/s Cable length dependent
Clock and data tolerances Delay, SCT to SD Skew, SCTE to SD	approximately 70 ns typical approximately 20 ns typical
Balanced Drivers Signal swing (bipolar) Short circuit current Rise Time Generator Impedance	$\pm 0.55V \pm 0.1V$ into 100 ohms less than 100 mA less than 20 ns 100 ohms
Balanced Receivers Load resistance	100 ohms
Unbalanced Drivers (EIA RS-232-C) Rise time Generator Impedance Short circuit current Output level	greater than 20 microseconds less than 100 ohms less than 100 mA ± 10 volts typical (7k ohm Load)
Unbalanced Receivers Load Impedance Maximum input voltage	3k to 7k ohms ± 25 Vdc
Polarity Data Polarity	Mark (binary 1): "A" lead negative with respect to "B" lead. Space (binary 0): "A" lead positive with respect to "B" lead
Signaling Polarity	On: greater than +3 Vdc Off: open or less than -3 Vdc