

ETHERNET INTERFACE TIMING CHARACTERISTICS

Operating conditions:

TEMPERATURE: -15.00 (min) 110.00 (max)

VOLTAGE : 1.60 (min) 1.40 (max)

OUTPUT LOAD : 25.0pf

INPUT DRIVE : CMOS BUFFER

Num	Characteristic	Min	Max	Unit
44	TXCLK high to TXD*, TXEN, TXER valid		11.5	ns
45	RXD*, RXER, RXDV, TXCOL, RXCRS valid to RXCLK high (setup)	3		ns
46	RXCLK high to RXD*, RXER, RXDV, TXCOL, RXCRS hold time	2		ns
49	MDC high to MDIO valid		50	ns
47	MDIO valid to MDC high (setup)	3		ns
48	MDC high to MDIO hold time	3		ns
50	RXCLK high to RPSF* valid		15.5	ns
52	REJECT* valid to RXCLK high (setup)	3		ns
53	REJECT* valid from RXCLK high (hold)	1.5		ns

Figure 1. ETHERNET Interface Timing Characteristics