

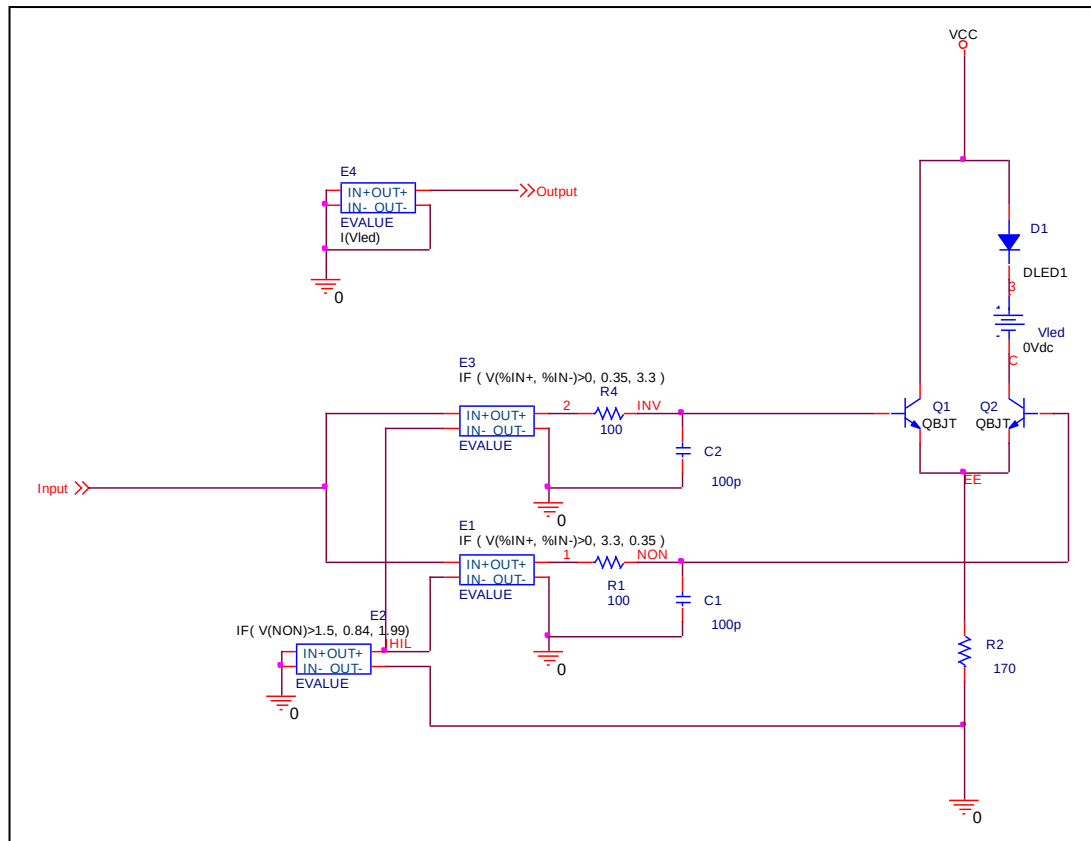
Device Modeling Report

COMPONENTS: Fiber Optic Transmitting Module (TOSLINK)
PART NUMBER: TOTX179
MANUFACTURER: TOSHIBA

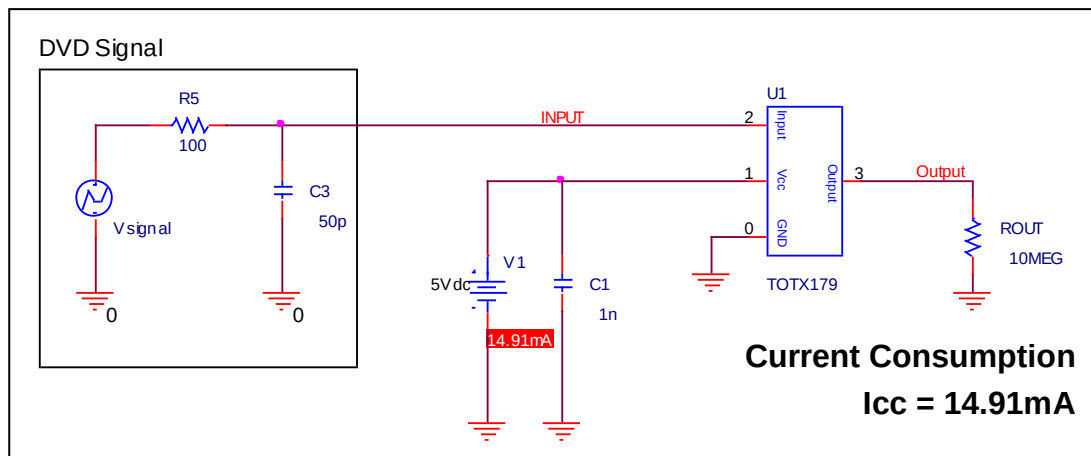


Bee Technologies Inc.

PSpice Model Equivalent circuit

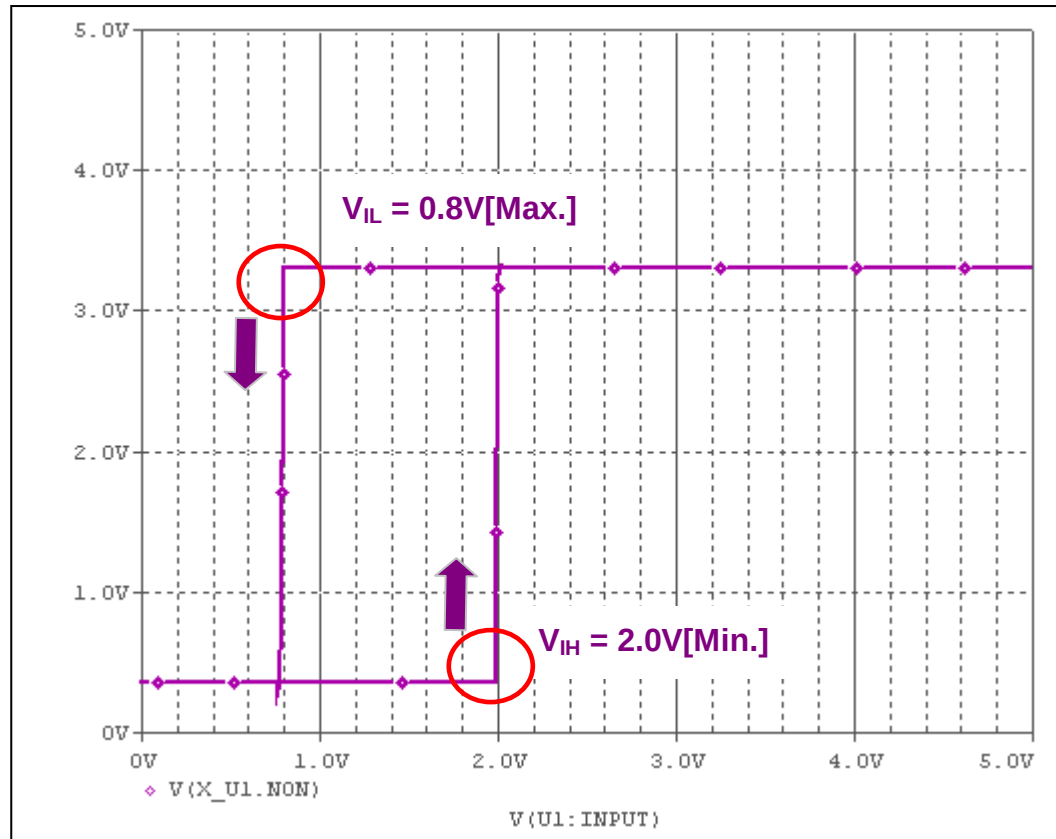


Application circuit

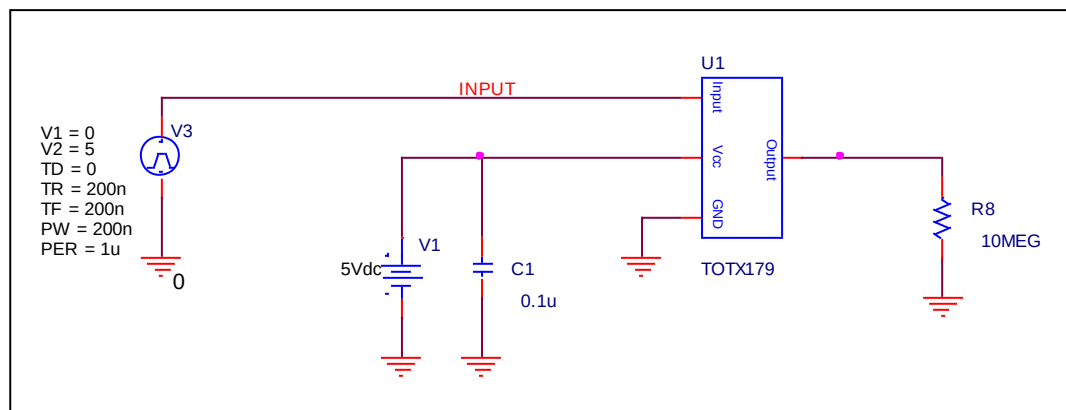


Input Voltage Characteristics (V_{IH} , V_{IL})

Circuit simulation result

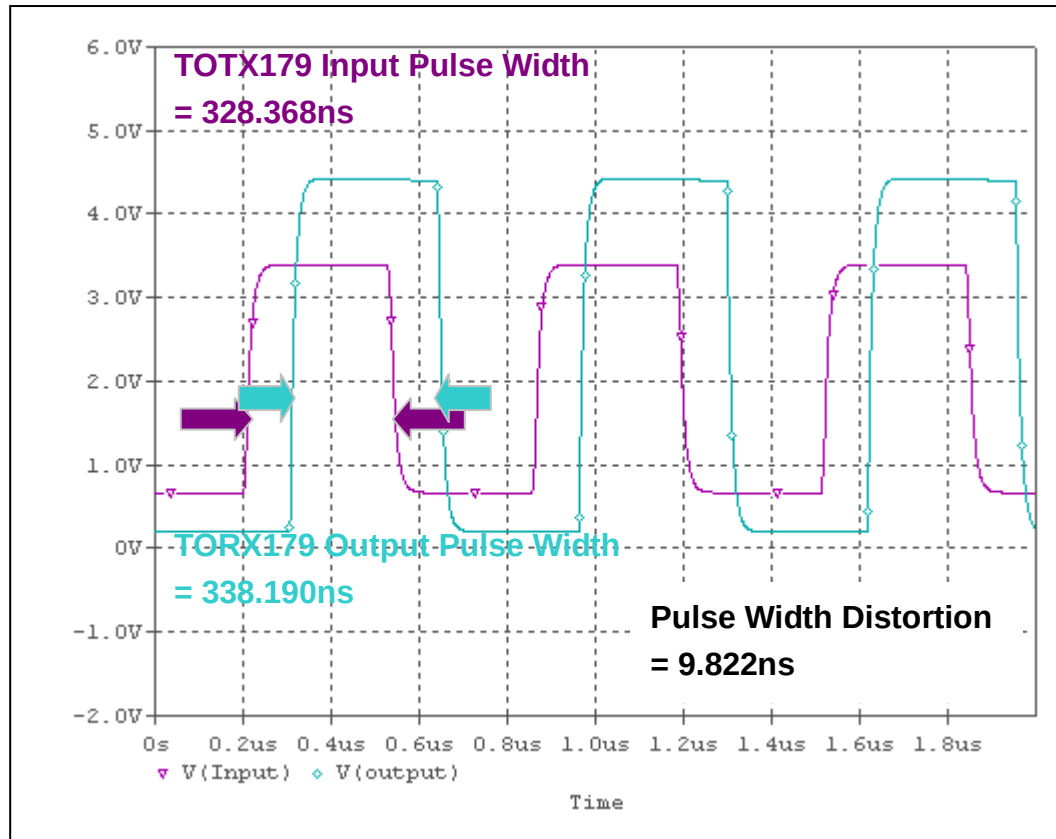


Evaluation circuit

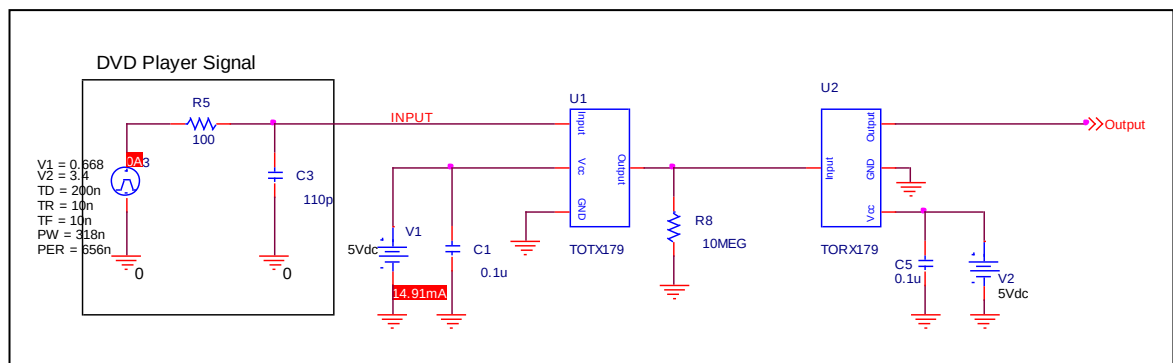


Pulse Width Distortion Characteristics

Circuit simulation result



Evaluation circuit



Simulation Result

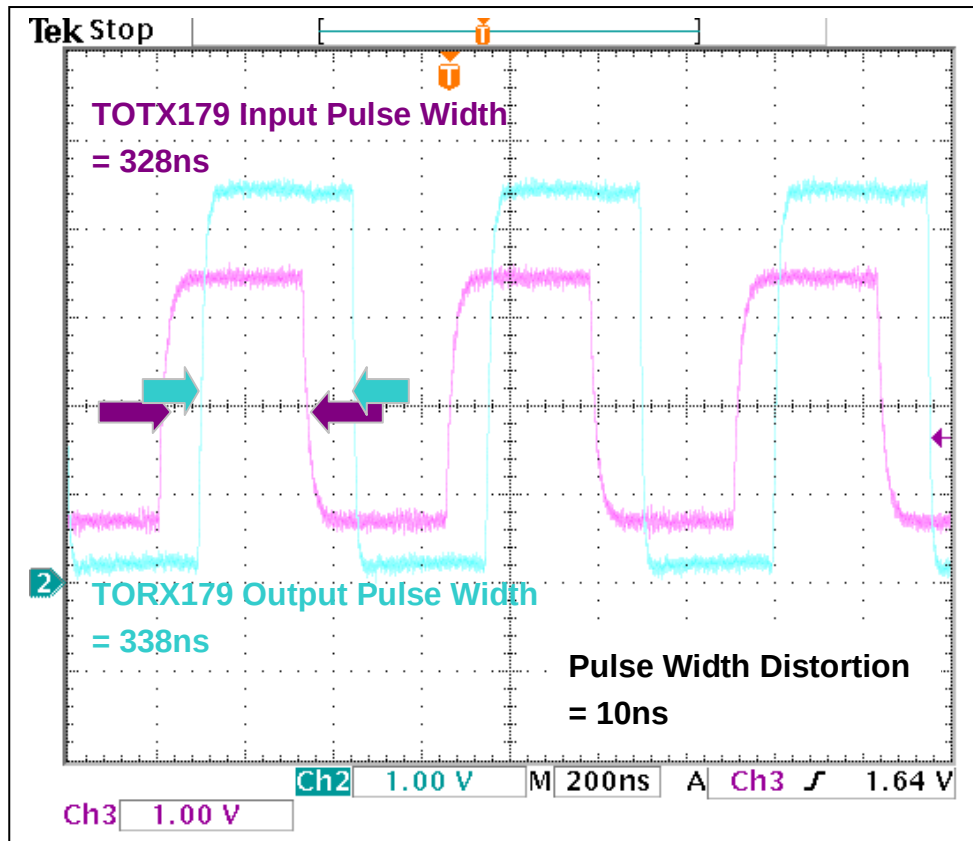
Simulation condition: Pulse width = 328.368, Pulse cycle = 356n No load,

	Measurement		Simulation		Error(%)
Δtw	10	ns	9.822	ns	- 1.78

Pulse Width Distortion Characteristics

Reference

Measurement data at no load



Note: Optical cable length 1m.