

The table below shows output drive and input loading characteristics for selected TTL logic families. Calculate the number of LS (Low-Power Schottky) gates that an ALS (Advanced Low-Power Schottky) gate can drive when its output is **LOW**.

Device Family		Output Drive*	Input Loading
TTL	Standard TTL	$I_{OH} = 400 \mu A$ $I_{OL} = 16 \text{ mA}$	$I_{IH} = 40 \mu A$ $I_{IL} = 1.6 \text{ mA}$
	Low-Power Schottky	$I_{OH} = 400 \mu A$ $I_{OL} = 8 \text{ mA}$	$I_{IH} = 20 \mu A$ $I_{IL} = 400 \mu A$
	Advanced Low-Power Schottky	$I_{OH} = 400 \mu A$ $I_{OL} = 8 \text{ mA}$	$I_{IH} = 20 \mu A$ $I_{IL} = 100 \mu A$
	FAST Fairchild Advanced Schottky TTL	$I_{OH} = 1 \text{ mA}$ $I_{OL} = 20 \text{ mA}$	$I_{IH} = 20 \mu A$ $I_{IL} = 0.6 \text{ mA}$

# Fast And Ls Ttl Data Low Power Schottky Ttl Data

**Lingsheng Yao**



**Fast And Ls Ttl Data Low Power Schottky Ttl Data:**

## Unveiling the Power of Verbal Artistry: An Psychological Sojourn through **Fast And Ls Ttl Data Low Power Schottky Ttl Data**

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