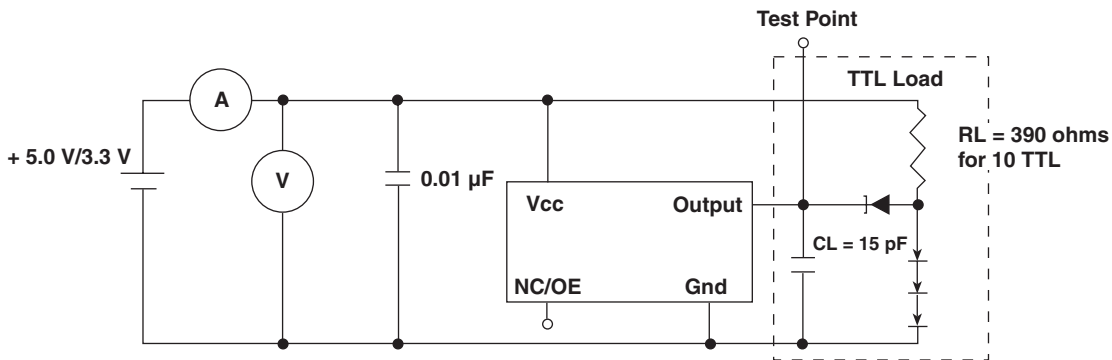
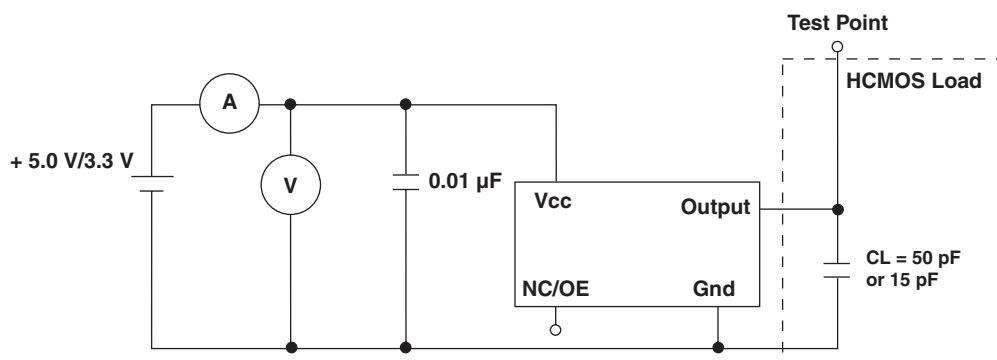


## Environmental and Mechanical Specifications

ENVIRONMENTAL AND MECHANICAL SPECIFICATIONS		
DESCRIPTION	LIMITS/CONDITIONS	TEST PROCEDURES
Thermal Cycle	- 55° C, + 85° C, 5 cycles	MIL-STD-202, Method 107, Condition A
Gross Leak test	All units 100 % leak tested	MIL-STD-202, Method 112, Condition D
Fine Leak	Mass spectrometer leak rate less than $2 \times 10^{-8}$ Atm. cc/sec of helium	MIL-STD-202, Method, Condition C
Moisture Resistance	95 % RH, + 25° to + 65° C, 10 cycles	MIL-STD-202, Method 106
Shock	1000g, 0.35 mS	MIL-STD-202, Method 213, Condition I
Vibration	10 - 55Hz, 0.06" D.A., 55 - 2000Hz, 20g	MIL-STD-202, Method 204, Condition D
Solderability	Minimum 95 % coverage	MIL-STD-202, Method 208
Resistance to Solvents	Isopropyl alcohol, terpene and monethanolamine solutions	MIL-STD-202, Method 215

TEST CIRCUITS
<p><b>TTL</b></p>  <p>The diagram shows a TTL test circuit. A +5.0 V/3.3 V power source is connected to an ammeter (A) and a voltmeter (V) in series. The circuit includes a 0.01 μF decoupling capacitor connected to the Vcc pin of the device. The Output pin is connected to a Test Point, which is then connected to an HCMOS Load. A load resistor RL = 390 ohms for 10 TTL is connected between the Test Point and ground. A load capacitor CL = 15 pF is also connected between the Test Point and ground.</p>
<p><b>HCMOS</b></p>  <p>The diagram shows an HCMOS test circuit. A +5.0 V/3.3 V power source is connected to an ammeter (A) and a voltmeter (V) in series. The circuit includes a 0.01 μF decoupling capacitor connected to the Vcc pin of the device. The Output pin is connected to a Test Point, which is then connected to an HCMOS Load. A load capacitor CL = 50 pF or 15 pF is connected between the Test Point and ground.</p>