

# Power-Off Protection, 6 $\Omega$ , 1.8 V to 5.5 V, SPDT Analog Switch (2:1 Multiplexer)

### **DESCRIPTION**

The DG2002E is a high performance single-pole, double-throw (SPDT) analog switch designed for 1.8 V to 5.5 V operation with a single power rail.

Fabricated with high density CMOS technology, the device achieves low on resistance of 6  $\Omega$  and switch off capacitance of 7 pF at a 5 V power supply and low power consumption, and fast switching speeds. Its charge injection is 1 pC.

The DG2002E can handle both analog and digital signals and permits signals with amplitudes of up to V+ to be transmitted in either direction. Its control logic inputs can go over V+ up to 5.5 V. It features break before make switching performance.

A powered-off protection circuit is built into the switch to prevent an abnormal current flow from COM pin to V+ during the power-down condition. Each output pin can withstand greater than 7 kV (human body model).

Operation temperature is specified from -40 °C to +85 °C. The DG2002E is available in the compact SC-70-6L package.

### **FEATURES**

- Low switch on-resistance (6 Ω)
- +1.8 V to +5.5 V single supply operation
- Powered-off protection
- Control logic inputs can go over V+
- Low parasitic capacitance, 7 pF at switch off
- Low charge injection, 1 pC
- · Break before make switching
- Latch-up performance exceeds 200 mA per JESD 78
- · High ESD rating
  - 7000 V human body model (JS-001)
- 1000 V charge device model (JS-002)
- · Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

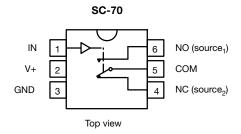
### Note

This datasheet provides information about parts that are RoHS-compliant and / or parts that are non RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information / tables in this datasheet for details

### **APPLICATIONS**

- · Battery powered devices
- Instrumentation
- · Medical equipment
- · Low voltage data acquisition
- · Control and automation
- · Consumer and computing

### FUNCTIONAL BLOCK DIAGRAM AND PIN CONFIGURATION



Device marking: H9

TRUTH TABLE						
LOGIC	NC	NO				
0	On	Off				
1	Of	On				

# H9XXX Pin 1

Device marking: H9XXX XXX = Date / lot traceability code

ORDERING INFORMATION							
TEMP. RANGE	PACKAGE	PART NUMBER					
-40 °C to +85 °C	SC-70-6	DG2002EDL-T1-GE3					

## **Notes**

- Logic "0" ≤ 0.8 V
- Logic "1" ≥ 2.4 V

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ABSOLUTE MAXIMUM RATI	ABSOLUTE MAXIMUM RATINGS					
PARAMETER		LIMIT	UNIT			
V+, COM, NC, NO, IN reference to GND		-0.3 to 6	V			
Continuous current (any terminal)		± 50	mA			
Peak current (pulsed at 1 ms, 10 % duty	cycle)	± 200	IIIA			
Storage temperature	Storage temperature		°C			
Power dissipation (packages) a	6-pin SC-70 <sup>b</sup>	250	mW			
ESD / HBM JS-001		7000	V			
ESD / CDM JS-002		1000	v			
Latch up	Per JESD78 with 1.5 x voltage clamp	200	mA			

- a. All leads welded or soldered to PC boardb. Derate 3.1 mW/°C above 70 °C

Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

<b>SPECIFICATIONS</b> (V+	SPECIFICATIONS (V+ = 5 V)						
PARAMETER	SYMBOL	TEST CONDITIONS UNLESS OTHERWISE SPECIFIED	TEMP.a	<b>LIMITS</b> -40 °C to +85 °C			UNIT
		V+ = 5 V, ± 10 % V <sub>IN</sub> = 0.8 V or 2.4 V <sup>e</sup>		MIN. b	TYP. c	MAX. b	
Analog Switch			L	l		L	
Analog signal range <sup>d</sup>	$V_{NO}, V_{NC} \ V_{COM}$		Full	0	-	V+	V
Drain-source on-resistance d	R <sub>DS(on)</sub>	$V_{+} = 4.5 \text{ V}, V_{COM} = 3 \text{ V}, I_{NO}, I_{NC} = 10 \text{ mA}$	Room Full	-	6 8	9	
R <sub>DS(on)</sub> flatness <sup>d</sup>	R <sub>DS(on)</sub> flatness	V+ = 5 V, V <sub>COM</sub> = 1.5 V, 3.5 V, I <sub>NO</sub> , I <sub>NC</sub> = 10 mA	Room	-	0.4	-	Ω
R <sub>DS(on)</sub> match <sup>d</sup>	$\Delta R_{DS(on)}$	$V+ = 4.5 \text{ V}, V_{COM} = 3 \text{ V}, I_{NO}, I_{NC} = 10 \text{ mA}$	Room	-	0.04	0.2	
	I <sub>NO(off)</sub> ,		Room	-1.5	-	1.5	
Switch-off leakage current f	I <sub>NC(off)</sub>	V+ = 5.5 V,	Full	-4	-	4	
Switch-off leakage current		$V_{NO}$ , $V_{NC} = 1 \text{ V} / 4.5 \text{ V}$ , $V_{COM} = 4.5 \text{ V} / 1 \text{ V}$	Room	-1	-	1	^
	I <sub>COM(off)</sub>		Full	-4	-	4	nA
Observation test and a second f		V+ = 5.5 V,	Room	-1	-	1	
Channel-on leakage current f	I <sub>COM(on)</sub>	$V_{NO}$ , $V_{NC} = V_{COM} = 1 \text{ V} / 4.5 \text{ V}$	Full	-4	-	- 4	
De code clades	I <sub>PD</sub>	$V+=0$ V, $V_{COM}=5$ V, NO/NC open, $V_{IN}=GND$	Full	-	-	2	μΑ
Power-down leakage		$V+=0$ V, $V_{NO}$ , $V_{NC}=5$ V, COM open, $V_{IN}=GND$	Full	-	-	2	
Digital Control							
Input high voltage	V <sub>INH</sub>		Full	2.4	-	-	V
Input low voltage	$V_{INL}$		Full	-	-	0.8	v
Input capacitance <sup>d</sup>	C <sub>IN</sub>		Full	-	6	-	рF
Input current	I <sub>INL</sub> or I <sub>INH</sub>	$V_{IN} = 0 \text{ V or V} +$	Full	-1	-	1	μΑ
Dynamic Characteristics							
Turn-on time d	+		Room	-	10	30	
rum-on time -	t <sub>ON</sub>		Full	-	-	32	
Turn-off time <sup>d</sup>	+	$V_{NO}$ or $V_{NC} = 3 \text{ V}$ , $R_{L} = 300 \Omega$ , $C_{L} = 35 \text{ pF}$	Room	-	8	24	ns
rum-on time -	t <sub>OFF</sub>		Full	-	-	26	
Break-before-make time d	t <sub>BBM</sub>		Room	1	-	-	
Charge injection <sup>d</sup>	Q <sub>INJ</sub>	$C_L = 1 \text{ nF}, V_{GEN} = 0 \text{ V}, V_{NO}, V_{NC} = 0 \text{ V}, R_{GEN} = 0 \Omega$	Room	-	1	-	рC
Off-isolation <sup>d</sup>	OIRR	D 5000 5 5 1 MH-	Room	-	-78	-	٩D
Crosstalk <sup>d</sup>	X <sub>TALK</sub>	$R_L = 50 \Omega$ , $C_L = 5 pF$ , $f = 1 MHz$	Room	-	-77	-	dB
NO, NC off capacitance d	C <sub>NO(off)</sub>		Room	-	7	-	
	C <sub>NC(off)</sub>	$V_{IN} = 0 \text{ V or V+, f} = 1 \text{ MHz}$	Room	-	7	-	рF
Channel-on capacitance d	C <sub>ON</sub>		Room	-	13	-	1
Power Supply							
Power supply current <sup>d</sup>	l+	$V_{IN} = 0 \text{ V or V} +$	Full	-	0.004	1	μΑ



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PARAMETER	SYMBOL	TEST CONDITIONS UNLESS OTHERWISE SPECIFIED	TEMP.a	<b>LIMITS</b> -40 °C to +85 °C			UNIT
	· · · · · · · · · · · · · · · · · · ·	$V+ = 3 V, \pm 10 \%$ $V_{IN} = 0.4 V \text{ or } 2 V^e$		MIN. b	TYP. c	MAX. b	
Analog Switch							
Analog signal range <sup>d</sup>	$V_{ m NO}, V_{ m NC} \ V_{ m COM}$		Full	0	ı	V+	V
Drain-source on-resistance d	R <sub>DS(on)</sub>	V+ = 2.7 V, V <sub>COM</sub> = 1.5 V, I <sub>NO</sub> , I <sub>NC</sub> = 10 mA	Room Full	-	13 15	22 24	
R <sub>DS(on)</sub> flatness <sup>d</sup>	R <sub>DS(on)</sub>	V+ = 3 V, V <sub>COM</sub> = 0 V to V+, I <sub>NO</sub> , I <sub>NC</sub> = 10 mA	Room	-	1.4	-	Ω
R <sub>DS(on)</sub> match <sup>d</sup>	$\Delta R_{DS(on)}$	$V+ = 2.7 \text{ V}, V_{COM} = 1.5 \text{ V}, I_{NO}, I_{NC} = 10 \text{ mA}$	Room	-	0.03	0.35	
	I <sub>NO(off)</sub> ,		Room	-0.4	-	0.4	
0 11 1 11 1 1 1 1 1	I <sub>NC(off)</sub>		Full	-4	-	4	nA
Switch-off leakage current f		$V_{NO}$ , $V_{NC} = 1 \text{ V} / 3 \text{ V}$ , $V_{COM} = 3 \text{ V} / 1 \text{ V}$	Room	-0.8	-	0.8	
	I <sub>COM(off)</sub>		Full	-8	-	8	
Observation to the top of the second of		V+ = 3.3 V.	Room	-0.8	-	0.8	
Channel-on leakage current f	$V_{NO}$ , $V_{NC} = V_{COM} = 1 \text{ V} / 3 \text{ V}$	Full	-8	-	8	nA	
Digital Control							
Input high voltage	V <sub>INH</sub>		Full	2	-	-	V
Input low voltage	V <sub>INL</sub>		Full	-	-	0.4	V
Input capacitance d	C <sub>IN</sub>		Full	1	6	-	pF
Input current	I <sub>INL</sub> or I <sub>INH</sub>	$V_{IN} = 0 \text{ V or V} +$	Full	-1	-	1	μΑ
Dynamic Characteristics							
Turn-on time d	t <sub>ON</sub>		Room	-	13	34	
rum-on time	ON		Full	-	-	37	
Turn-off time d	t	$V_{NO}$ or $V_{NC}$ = 2 V, $R_L$ = 300 $\Omega$ , $C_L$ = 35 pF	Room	ı	9	20	ns
rum-on time s	t <sub>OFF</sub>		Full	ı	ı	22	1
Break-before-make time <sup>d</sup>	$t_BBM$		Room	1	-	-	
Charge injection <sup>d</sup>	$Q_{INJ}$	$C_L = 1 \text{ nF}, V_{GEN} = 0 \text{ V}, V_{NO}, V_{NC} = 0 \text{ V}, R_{GEN} = 0 \Omega$	Room	ı	0.9	-	рС
Off-isolation d	OIRR	$R_1 = 50 \Omega, C_1 = 5 pF, f = 1 MHz$	Room	ı	-78	-	40
Crosstalk <sup>d</sup>	X <sub>TALK</sub>	$n_L = 50 \Omega_2$ , $O_L = 5 \text{ pr}$ , $I = 1 \text{ IVID}$	Room	-	-77	-	dB
NO, NC off capacitance d	C <sub>NO(off)</sub>		Room	-	7	-	
	C <sub>NC(off)</sub>	$V_{IN} = 0 \text{ V or V+, f} = 1 \text{ MHz}$	Room	-	7	-	pF
Channel-on capacitance d	C <sub>ON</sub>	]		-	14	-	
Power Supply							
Power supply current d	I+	$V_{IN} = 0 \text{ V or V} +$	Full	-	0.002	1	μA



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PARAMETER	SYMBOL	TEST CONDITIONS UNLESS OTHERWISE SPECIFIED	TEMP.ª	<b>LIMITS</b> -40 °C to +85 °C			UNIT
		$V+ = 2.5 V, \pm 10 \%$ $V_{IN} = 0.4 V \text{ or } 2 V^e$		MIN. b	TYP. c	MAX. b	
Analog Switch							
Analog signal range <sup>d</sup>	$V_{NO}, V_{NC} \ V_{COM}$		Full	0	-	V+	V
Drain-source on-resistance d	R <sub>DS(on)</sub>	V+ = 2.2 V, V <sub>COM</sub> = 1 V, I <sub>NO</sub> , I <sub>NC</sub> = 10 mA	Room Full <sup>d</sup>	-	23 24	29.5	
R <sub>DS(on)</sub> flatness <sup>d</sup>	R <sub>DS(on)</sub>	V+ = 2.5 V, V <sub>COM</sub> = 0 V to V+, I <sub>NO</sub> , I <sub>NC</sub> = 10 mA	Room	-	1.7	30.5	Ω
R <sub>DS(on)</sub> match <sup>d</sup>	$\Delta R_{DS(on)}$	V+ = 2.2 V, V <sub>COM</sub> = 1.2 V, I <sub>NO</sub> , I <sub>NC</sub> = 10 mA	Room	-	0.1	0.5	
20(0.1)	I <sub>NO(off)</sub> ,	7 110 110	Room	-0.2	-	0.2	
	I <sub>NC(off)</sub>	$V_{+} = 2.7 V_{,}$	Full <sup>d</sup>	-3	-	3	
Switch-off leakage current f		$V_{NO}$ , $V_{NC} = 0.5 \text{ V} / 1.5 \text{ V}$ , $V_{COM} = 1.5 \text{ V} / 0.5 \text{ V}$	Room	-0.2	-	0.2	nA
	I <sub>COM(off)</sub>		Full d	-3	-	3	
		V+ = 2.7 V,	Room	-0.2	-	0.2	nA
Channel-on leakage current f	I <sub>COM(on)</sub>	$V_{NO}$ , $V_{NC} = V_{COM} = 0.5 \text{ V} / 1.5 \text{ V}$	Full <sup>d</sup>	-3	-	3	
Digital Control							
Input high voltage	V <sub>INH</sub>		Full	2	-	-	V
Input low voltage	$V_{INL}$		Full	-	-	0.4	V
Input capacitance d	C <sub>IN</sub>		Full	-	6	-	pF
Input current	I <sub>INL</sub> or I <sub>INH</sub>	$V_{IN} = 0 \text{ V or V} +$	Full	-1	-	1	μΑ
Dynamic Characteristics							
Turn-on time d			Room	-	16	36	
Turri-ori time -	t <sub>ON</sub>		Full <sup>d</sup>	-	-	38	
Turn-off time <sup>d</sup>	+	$V_{NO}$ or $V_{NC}$ = 1.5 V, $R_{L}$ = 300 $\Omega$ , $C_{L}$ = 35 pF	Room	-	10	19	ns
Turn-on time -	t <sub>OFF</sub>		Full	-	-	21	1
Break-before-make time <sup>d</sup>	t <sub>BBM</sub>		Room d	1		-	
Charge injection <sup>d</sup>	Q <sub>INJ</sub>	$C_L$ = 1 nF, $V_{GEN}$ = 0 V, $V_{NO}$ , $V_{NC}$ = 0 V, $R_{GEN}$ = 0 $\Omega$	Room	-	0.9	-	рC
Off-isolation d	OIRR	$R_L = 50 \Omega, C_L = 5 pF, f = 1 MHz$	Room	-	-78	-	dB
Crosstalk <sup>d</sup>	X <sub>TALK</sub>	$n_L = 50 \Omega$ , $O_L = 5 \text{ pr}$ , $I = 1 \text{ MHZ}$	Room	-	-77	-	uB
NO NO eff and all and d	C <sub>NO(off)</sub>		Room	-	7	-	
NO, NC off capacitance d	C <sub>NC(off)</sub>		Room	-	7	-	pF
Channel-on capacitance d	C <sub>ON</sub>		Room	-	14	-	
Power Supply							
Power supply current <sup>d</sup>	l+	$V_{IN} = 0 \text{ V or V} +$	Full	-	-	1	μA



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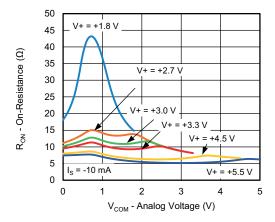
SPECIFICATIONS (V+	= 2 V)						
PARAMETER	SYMBOL	BOL TEST CONDITIONS UNLESS OTHERWISE SPECIFIED $V+=2\ V,\pm\ 10\ \%$ $V_{IN}=0.4\ V\ or\ 1.6\ V\ ^{e}$	TEMP.a	<b>LIMITS</b> -40 °C to +85 °C			UNIT
	STWIDOL		I LIVIF.	MIN. b	TYP. c	MAX. b	ONII
Analog Switch							
Analog signal range <sup>d</sup>	$V_{NO}, V_{NC} \ V_{COM}$		Full	0	-	V+	V
Drain-source on-resistance d	R <sub>DS(on)</sub>	V+ = 1.8 V, V <sub>COM</sub> = 1 V, I <sub>NO</sub> , I <sub>NC</sub> = 10 mA	Room Full <sup>d</sup>	-	37 36	45 47	
R <sub>DS(on)</sub> flatness <sup>d</sup>	R <sub>DS(on)</sub> flatness	V+ = 2 V, V <sub>COM</sub> = 0 V to V+, I <sub>NO</sub> , I <sub>NC</sub> = 10 mA	Room	-	3	-	Ω
R <sub>DS(on)</sub> match <sup>d</sup>	$\Delta R_{DS(on)}$	V+ = 1.8 V, V <sub>COM</sub> = 1 V, I <sub>NO</sub> , I <sub>NC</sub> = 10 mA	Room	-	0.04	0.5	
	I <sub>NO(off)</sub> ,		Room	-0.2	-	0.2	
Outtale off lands as assumed f	I <sub>NC(off)</sub>	V+ = 2.2 V,	Full <sup>d</sup>	-3	-	3	
Switch-off leakage current f		$V_{NO}$ , $V_{NC} = 0.5 \text{ V} / 1.5 \text{ V}$ , $V_{COM} = 1.5 \text{ V} / 0.5 \text{ V}$	Room	-0.2	-	0.2	nA
	I <sub>COM(off)</sub>		Full <sup>d</sup>	-3	-	3	1
Observation to the first of the		$I_{COM(on)}$ $V_{NO}$ , $V_{NC} = V_{COM} = 0.5 \text{ V} / 1.5 \text{ V}$	Room	-0.2	-	0.2	nA
Channel-on leakage current f	ICOM(on)		Full <sup>d</sup>	-3	-	3	
Digital Control							
Input high voltage	$V_{INH}$		Full	1.6	-	-	V
Input low voltage	$V_{INL}$		Full	-	-	0.4	V
Input capacitance d	C <sub>IN</sub>		Full	-	6	-	pF
Input current	I <sub>INL</sub> or I <sub>INH</sub>	$V_{IN} = 0 \text{ V or V} +$	Full	-1	-	1	μΑ
Dynamic Characteristics							
Turn-on time d	tou		Room	-	21	40	
rum-on time	t <sub>ON</sub>		Full <sup>d</sup>	-	-	42	
Turn-off time d	t	$V_{NO}$ or $V_{NC}$ = 1.5 V, $R_L$ = 300 $\Omega$ , $C_L$ = 35 pF	Room	-	13	20	ns
rum-on time	t <sub>OFF</sub>		Full <sup>d</sup>	-	-	21	
Break-before-make time <sup>d</sup>	t <sub>BBM</sub>		Room	1	-	-	
Charge injection <sup>d</sup>	$Q_{INJ}$	$C_L = 1 \text{ nF}, V_{GEN} = 0 \text{ V}, V_{NO}, V_{NC} = 0 \text{ V}, R_{GEN} = 0 \Omega$	Room	-	8.0	-	рС
Off-isolation <sup>d</sup>	OIRR	$R_1 = 50 \Omega$ , $C_1 = 5 pF$ , $f = 1 MHz$	Room	-	-78	-	dB
Crosstalk <sup>d</sup>	X <sub>TALK</sub>	11 <u>1</u> = 30 32, O <u>1</u> = 3 μι , ι = 1 ΙΝΙΠΖ	Room	-	-77	-	uв
NO, NC off capacitance d	C <sub>NO(off)</sub>	V <sub>IN</sub> = 0 V or V+, f = 1 MHz	Room	-	7	-	
NO, NO OII Capacitance	C <sub>NC(off)</sub>		Room	-	7	-	pF
Channel-on capacitance d	C <sub>ON</sub>		Room	-	14	-	
Power Supply							
Power supply current <sup>d</sup>	I+	$V_{IN} = 0 \text{ V or V} +$	Full	-	-	1	μΑ

### Notes

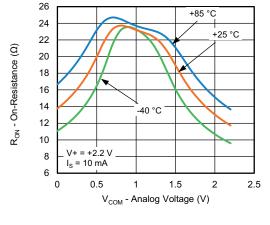
- a. Room = 25 °C, full = as determined by the operating suffix
- b. The algebraic convention whereby the most negative value is a minimum and the most positive a maximum, is used in this datasheet
- c. Typical values are for design aid only, not guaranteed nor subject to production testing
- d. Guarantee by design, nor subjected to production test
- e.  $V_{IN}$  = input voltage to perform proper function
- f. Guaranteed by 5 V leakage testing, not production tested



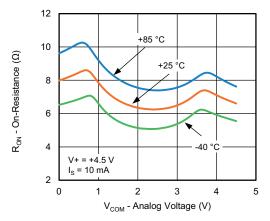
# TYPICAL CHARACTERISTICS (25 °C, unless otherwise noted)



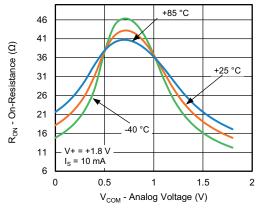
R<sub>DS(on)</sub> vs. V<sub>COM</sub> and Supply Voltage



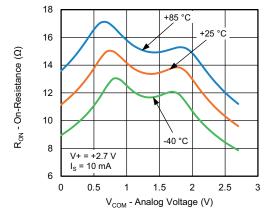
R<sub>DS(on)</sub> vs. Analog Voltage and Temperature



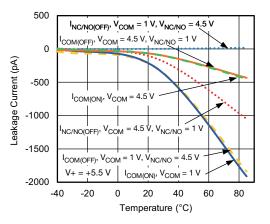
R<sub>DS(on)</sub> vs. Analog Voltage and Temperature



R<sub>DS(on)</sub> vs. Analog Voltage and Temperature



R<sub>DS(on)</sub> vs. Analog Voltage and Temperature

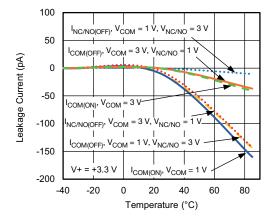


Leakage Current vs. Temperature

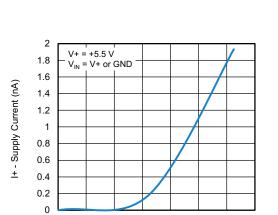
For technical questions, contact: analogswitchte



# TYPICAL CHARACTERISTICS (25 °C, unless otherwise noted)



Leakage Current vs. Temperature



Supply Current vs. Temperature

Temperature (°C)

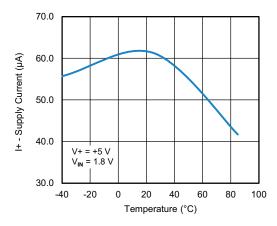
40

20

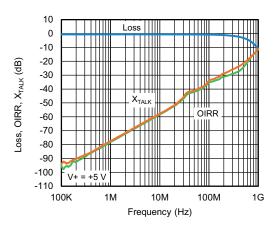
60

80

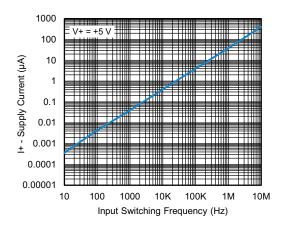
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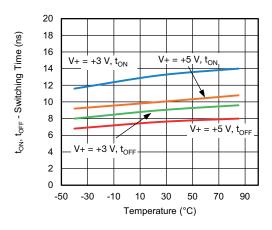
Supply Current vs. Temperature



Insertion Loss, Off-Isolation Crosstalk vs. Frequency



**Supply Current vs. Input Switching Frequency** 



Switching Time vs. Temperature

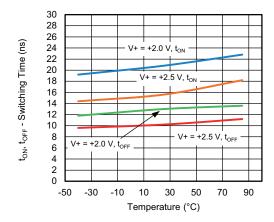
-40

-20

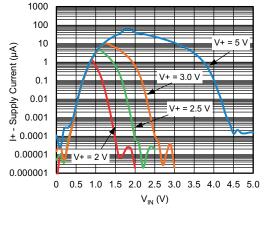
0



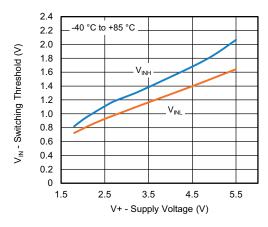
# TYPICAL CHARACTERISTICS (25 °C, unless otherwise noted)



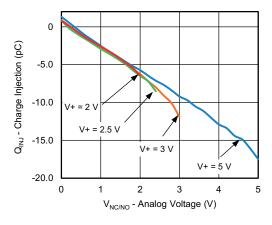
Switching Time vs. Temperature



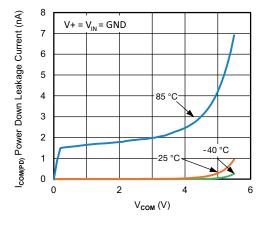
Supply Current vs. Enable Input Voltage



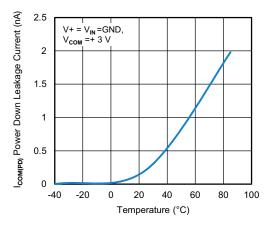
Switching Threshold vs. Supply Voltage



Charge Injection vs. Analog Voltage



Power Down Leakage Current vs V<sub>COM</sub>

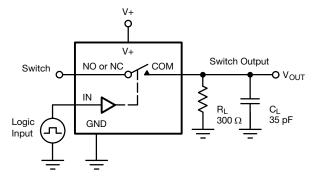


Power Down Leakage Current vs Temperature

For technical questions, contact: analogswitchte

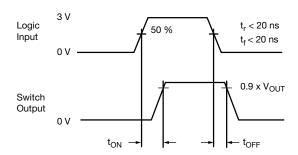


# **TEST CIRCUITS**



C<sub>L</sub> (includes fixture and stray capacitance)

$$V_{OUT} = V_{COM} \left( \frac{R_L}{R_L + R_{ON}} \right)$$



Logic "1" = switch on

Logic input waveforms inverted for switches that have the opposite logic sense.

Fig. 1 - Switching Time

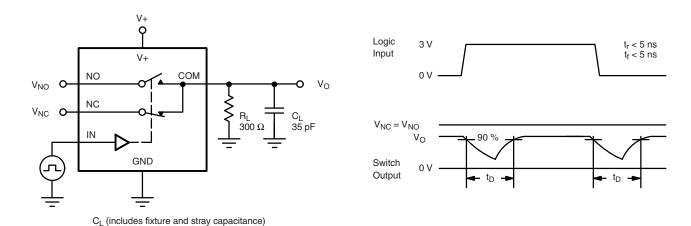
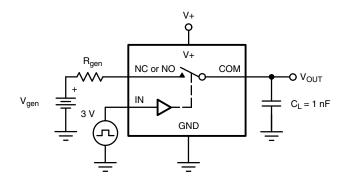
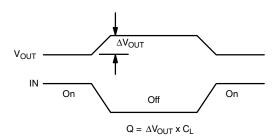


Fig. 2 - Break-Before-Make Interval





IN depends on switch configuration: input polarity determined by sense of switch.

Fig. 3 - Charge Injection

**TEST CIRCUITS** 

# Off Isolation = 20 log VNC/NO VCOM

Fig. 4 - Off-Isolation

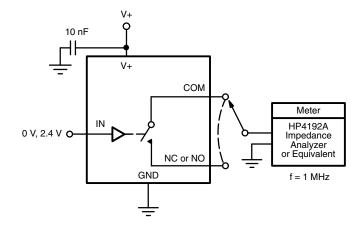


Fig. 5 - Channel Off / On Capacitance



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# Vishay Siliconix

PRODUCT SUMMARY	
Part number	DG2002E
Status code	2
Configuration	SPDT x 2
Single supply min. (V)	1.8
Single supply max. (V)	5.5
Dual supply min. (V)	-
Dual supply max. (V)	-
On-resistance (Ω)	6
Charge injection (pC)	1
Source on capacitance (pF)	13
Source off capacitance (pF)	7
Leakage switch on typ. (nA)	-
Leakage switch off max. (nA)	1.5
-3 dB bandwidth (MHz)	-
Package	SC-70-6
Functional circuit / applications	Multi purpose, instrumentation, medical and healthcare, portable
Interface	Parallel
Single supply operation	Yes
Dual supply operation	-
Turn on time max. (ns)	32
Crosstalk and off isolation	-77

Vishay Siliconix maintains worldwide manufacturing capability. Products may be manufactured at one of several qualified locations. Reliability data for Silicon Technology and Package Reliability represent a composite of all qualified locations. For related documents such as package / tape drawings, part marking, and reliability data, see <a href="https://www.vishay.com/ppg?76624">www.vishay.com/ppg?76624</a>.



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