

Data collection for HV DC-DC 10/30/2018

longer

File name	PSU			# actuators				Time	1
	0 CB101	1 Q101	2 PICO5W	0	1	2	3	0 Rise	Fall
✓ 1) plot this	x			x				x	
✓ 2)	x			x					x
✓ 3) plot this	x				x			x	
✓ 4)	x				x				x
✓ 5)	x					x		x	
6)	x					x			x
✓ 7)		x							
✓ 8)		x							
✓ 9)		x							
✓ 10)		x							
✓ 11)		x							
✓ 12)		x							
✓ 13)			x						
✓ 14)			x						
✓ 15)			x						
✓ 16)			x						
✓ 17)			x						
✓ 18)			x						

Note: Test setup is done with stacks of 10 Doit actuators

• Testing is done @ 4V input \Rightarrow 8 kV for regulated, ~ 7 kV for unreg
(this is the maximum achievable voltage that can be controlled)

• $V/div = 1V/div$

• Time window = 200ms/div rise ; 500ms/div fall time

Note: There is a 100 M Ω draining resistor

• 2 actuators are connected in parallel

$\frac{3 \text{ times rise time}}{4} = \text{settling time}$

Name: "Scope - x - x - x . csv"

\Rightarrow activate one, Run the other = activate 1