

Technical Specifications for PHVSW-002V, -005V Push/Pull Configuration switches  
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		-002V	-005V	Unit
Max Voltage Across Terminals	$V_{i(max)}$	Switch Off One Terminal Grounded Bipolar mode	$\pm 2000$ $\pm 1000$	$\pm 5000$ $\pm 2500$ Volts
Break Down Voltage	$V_{bd}$	Between one terminal and Output	3000	6000 Volts
Isolation Voltage	$V_i$	Maximum Voltage ( $\pm$ ) from ground	>15000	>15000 Volts
Maximum Peak Current	$I_{peak}$	See safe operation document	15	15 Amps
Maximum Continuous Current	$I_c$	@ 25° C	0.79	0.56 Amps
On Resistance	$R_o$	@ 25° C	8.1	16.2 $\Omega$
Turn on delay time	$t_{d(on)}$		<100	<100 ns
Turn on rise time	$t_{r(on)}$	Temperature, current and voltage dependent	10	10 ns
Turn off delay time	$t_{d(off)}$		<100	<100 ns
Turn off rise time	$t_{r(off)}$	Temperature, current and voltage dependent	10	10 ns
Minimum on Time	$t_{on(min)}$	Shorter on time can result in unpredictable switch behavior	50	50 ns
Maximum on Time	$t_{on(max)}$	Limited by maximum power dissipation	$\infty$	$\infty$ 
Turn on jitter	$t_{j(on)}$		<400	<400 ps
Maximum Continuous Switching Frequency	$f_{(max)}$	Limited by maximum power dissipation, High burst frequencies possible. See operation notes.	30	30 kHz
Maximum Continuous Power Dissipation	$P_{d(max)}$	Total power dissipation into switch We suggestion temperature monitoring for $P_d > 5$ Watts	15	15 Watts
Operating Temperature Range	$T_o$		70	-40 ° C
Switch Capacitance	$C_s$		15.6	7.8 pF
Coupling Capacitance	$C_c$			pF
Supply Voltage	$V_{sup}$	$\pm 0.25$ volts	5	5 Volts
Supply Current	$C_{sup}$	@ $f_{(max)}$ (preliminary)	0.5	0.5 Amps
Trigger Signal	$V_{trig}$	74LVC input, 1k $\Omega$ pull-down resistor. See operation notes.		3.5 Volts
Fault Signal	$V_{fault}$	Push-Pull Output, 0.25 Amp max Low = Fault	L = 0.1	H = 4.9 Volts
Dimensions		89 x 64 x 27		mm <sup>3</sup>