

Technical Specifications for PHVSW-015V Push/Pull Configuration switch
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		<i>-0015V</i>	<i>Unit</i>
Max Voltage Across Terminals	$V_{i(max)}$	Switch Off One Terminal Grounded Bipolar mode	± 15000 ± 7500 Volts
Break Down Voltage	V_{bd}	Between one terminal and Output	16000 Volts
Isolation Voltage	V_i	Maximum Voltage (\pm) from ground	>30000 Volts
Maximum Peak Current	I_{peak}	See safe operation document	15 Amps
Maximum Continuous Current	I_c	@ 25° C	0.3 Amps
On Resistance	R_o	@ 25° C	21.6 Ω
Turn on delay time	$t_{d(on)}$		<100 ns
Turn on rise time	$t_{r(on)}$	Into resistive load. Temperature, current and voltage dependent	10 ns
Turn off delay time	$t_{d(off)}$		<100 ns
Turn off rise time	$t_{r(off)}$	Into resistive load. Temperature, current and voltage dependent	10 ns
Minimum on Time	$t_{on(min)}$	Shorter on time can result in unpredictable switch behavior	50 ns
Maximum on Time	$t_{on(max)}$	Limited by maximum power dissipation	∞
Turn on jitter	$t_{j(on)}$		<400 ps
Maximum Continuous Switching Frequency	$f_{(max)}$	Limited by maximum power dissipation, High burst frequencies possible. See operation notes.	25 kHz
Maximum Continuous Power Dissipation	$P_{d(max)}$	Total power dissipation into switch We suggestion temperature monitoring for $P_d > 5$ Watts	15 Watts
Operating Temperature Range	T_o		70 ° C
Switch Capacitance	C_s		pF
Coupling Capacitance	C_c		pF
Supply Voltage	V_{sup}	± 0.25 volts	5 Volts
Supply Current	C_{sup}	@ $f_{(max)}$ (preliminary)	0.5 Amps
Trigger Signal	V_{trig}	74LVC input, 1k Ω pull-down resistor. See operation notes.	Volts
Fault Signal	V_{fault}	Push-Pull Output, 0.25 Amp max Low = Fault	L = 0.1 Volts
Dimensions		160 x 96 x 32	mm ³