

Parameter	UCC28025	UC2825	UC2825A	UC2825B
Op. Temp. Range	-40C to 105C	-40C to 85C	-40C to 85C	-40C to 85C
VC, VCC Max.	30V	30V	22V	22V
UVLO Start / Stop	9.2V / 8.4V	9.2V / 8.4V	9.2V / 8.4V	16V / 10V
Ref. Voltage	5.05V / 5.1V / 5.15V	5.05V / 5.1V / 5.15V	5.05V / 5.1V / 5.15V	5.05V / 5.1V / 5.15V
PWM Delay	50ns typ / 100ns max	50ns typ / 80ns max	50ns typ / 80ns max	50ns typ / 80ns max
PWM Rise/Fall	30ns min / 60ns max	30ns typ / 60ns max	20ns typ / 45ns max	20ns typ / 45ns max
Max. Duty Cycle	40% min / 45% typ	≤80%	≥85%	≥85%
Osc. Init. Acc.	400 kHz ± 10%	400 kHz ± 10%	400 kHz ± 6.25%	400 kHz ± 6.25%
Osc. Total Acc.	340 – 460 kHz	340 – 460 kHz	350 – 450 kHz	350 – 450 kHz
EA Bandwidth	5.5 MHz typ	5.5 MHz typ	12 MHz typ	12 MHz typ
EA Input Offset	15mV max	10mV max	10mV max	10mV max
Cur. Limit Thresh.	1V ± 10%	1V ± 10%	1V ± 5%	1V ± 5%
OC Threshold	1.4V ± 10.7%	1.4V ± 10.7%	1.2V ± 5%	1.2V ± 5%
Startup Current	1.1mA _{typ} / 2 mA _{max}	1.1mA _{typ} / 2.5 mA _{max}	100μA _{typ} / 300μA _{max}	100μA _{typ} / 300μA _{max}
SS Chrg. Current	3 / 9 / 20 μA	3 / 9 / 20 μA	8 / 14 / 20 μA	8 / 14 / 20 μA
Op. Current, ICC	25mA _{typ} / 35mA _{max}	22mA _{typ} / 32mA _{max}	28mA _{typ} / 36mA _{max}	28mA _{typ} / 36mA _{max}