

(Unless otherwise specified,  $T_a=25^\circ\text{C}$ )

Part number			<a href="#">TCK421G</a>
Package	Name		WCSP6G
	Size (mm)		1.2×0.8 (typ.), t=0.35 (max)
Operating ranges	Input voltage $V_{IN}$ (V)	@ $T_a= -40$ to $85^\circ\text{C}$	2.7 to 28
Electrical characteristics	$V_{IN\_UVLO}$ threshold, $V_{out}$ falling $V_{IN\_UVLO}$ typ./max (V)	@ $T_a= -40$ to $85^\circ\text{C}$ for $V_{IN\_UVLO}$ max	2.0/2.5
	$V_{IN\_UVLO}$ hysteresis $V_{IN\_UVhyst}$ typ. (V)	–	0.2
	$V_{IN\_OVLO}$ threshold, $V_{out}$ falling $V_{IN\_OVLO}$ min/max (V)	@ $T_a= -40$ to $85^\circ\text{C}$	22.34/24.05
	$V_{IN\_OVLO}$ hysteresis $V_{IN\_OVhyst}$ typ. (V)	–	0.12
	Input quiescent current (ON state) <sup>[3]</sup> $I_{Q(ON)}$ typ. ( $\mu\text{A}$ )	@ $V_{IN}=5\text{V}$	140
		@ $V_{IN}=12\text{V}$	185
	Standby current (OFF state) $I_{Q(OFF)}$ max ( $\mu\text{A}$ )	@ $V_{IN}=5\text{V}$ , $T_a= -40$ to $85^\circ\text{C}$	0.5
		@ $V_{IN}=12\text{V}$ , $T_a= -40$ to $85^\circ\text{C}$	0.9
	GATE Drive voltage ( $V_{GATE1}-V_{IN}$ ) ( $V_{GATE2}-V_{IN}$ ) $V_{GS}$ min/typ./max (V)	@ $V_{IN}=2.7\text{V}$	8/9.2/10
		@ $V_{IN}=5\text{V}$	9/10/11
		@ $V_{IN}=9\text{V}$	9/10/11
		@ $V_{IN}=12\text{V}$	9/10/11
		@ $V_{IN}=20\text{V}$	9/10/11
	$V_{GS}$ ON time $t_{ON}$ typ. (ms)	@ $V_{IN}=5\text{V}$ , $C_{GATE1,2}=4000\text{pF}$	2.9
$V_{GS}$ OFF time $t_{OFF}$ typ. ( $\mu\text{s}$ )	$V_{IN}=5\text{V}$ , @ $C_{GATE1,2}=4000\text{pF}$	52	
OVLO $V_{GS}$ turn OFF time $t_{OVP}$ typ. ( $\mu\text{s}$ )	@ $C_{GATE1,2}=4000\text{pF}$	34	
Sample Check & Availability			<a href="#">Buy Online</a>