



负载开关芯片
Integrated Power Load Switch

Note) Part ID in green in Dev.

Product Type	Product Name	V _{OP} Max Voltage [V]	DC Current Rating [A]	R _{ON} Typ. @ V _{OP} Max [mΩ]	I _Q Typ. @ V _{OP} Max [nA]	I _{SD} Typ. @ V _{OP} Max [nA]	Slew Rate Control	Rise Time t _R (Typ) [us]	EN Active	Output Discharge	Reverse Current Blocking	ESD	Operating temperature	Package WLCSP Size	
Ultra Low Power Consumption	GLF71301	5.5	1.5	34	1	19	√	430	H	85Ω		HBM : 6 kV CDM : 2 kV	-40°C ~ 85°C	0.77 x 0.77 x 0.55	
	GLF71300								H	NA					
	GLF71303								L	85Ω					
	GLF71307		9	H	85Ω										
	GLF71311		2	31	7	28	√	335	H	85Ω			-40°C ~ 105°C	0.97 x 0.97 x 0.55	
	GLF71313								L	85Ω					
	GLF71315								H	85Ω					
	GLF71511		2	25	7	28	√	2200	H	85Ω			-40°C ~ 105°C	0.97 x 0.97 x 0.55	
	GLF71321		4	15	3	50	√	400	H	85Ω			-40°C ~ 85°C	0.97 x 1.47 x 0.55	
	GLF71325		4	18 @3.3V	1 @3.3V	16 @3.3V	L √	2.2 ms	H	85Ω			-40°C ~ 105°C	0.97 x 1.47 x 0.55	
	GLF71301T		1.5	34	1	19	√	430	H	85Ω			-40°C ~ 85°C	0.77 x 0.77 x 0.35	
GLF71311T	2	31	7	28	√	335	H	85Ω		0.97 x 0.97 x 0.35					
TRCB	GLF72111	3	29	1.5 uA	24	√	1300	H	85Ω	√	0.97 x 0.97 x 0.55				
	GLF72120	4	14	6 uA	50	√	730	H	NA	√	0.97 x 1.47 x 0.55				
Prog. Long SR	GLF71431	7	10	5	55	Program	150~34000	H	83Ω		1.27 x 1.67 x 0.55				
3 Channels	GLF78131/T	1.5	60	6	23	√	500	H	235Ω		1.27 x 1.67 x 0.55/T0.35				
Low V _{IN} Range with NFET	GLF72510	0.8~3.6	2	27	3.2 uA	5	√	460	H	NA					0.97 x 0.97 x 0.55
	GLF72511									85Ω					
	GLF72520									4					

电源路径转换芯片
Power Mux with Two Input and Single Output

Product Type	Product Name	V _{OP} Max Voltage [V]	DC Current Rating [A]	R _{ON} Typ. @ V _{OP} Max [mΩ]	I _Q Typ. @ V _{OP} Max [uA]	I _{SD} Typ. @ V _{OP} Max [nA]	Slew Rate Control	Rise Time t _R (Typ)	V _{IN} Auto Select	Auto & Manual Selection	Output Discharge	Reverse Current Blocking	Operating temperature	Package WLCSP Size
Power Mux, 2 A	GLF74120	5.5	2	34	10 @3.3V	14	√	√	√	√	NA	√	-40°C ~ 85°C	0.97 x 1.47 x 0.55
Power Mux, 2 A	GLF74520	5.5	2	35	4	20	√	√	√	√	NA	√	-40°C ~ 85°C	0.97 x 1.47 x 0.55
Power Mux, 4.5 A	GLF74130	5.5	4.5	20	4	30	√	√	√	√	NA	√	-40°C ~ 85°C	1.27 x 1.67 x 0.55

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电池保护芯片 Battery Protection

Product Type	Product Name	V _{OP} Max Voltage [V]	DC Current Rating [A]	R _{ON} Typ. @ 4.2V [mΩ]	R _{ON} Typ. @ 3.6V [mΩ]	I _O Typ. @ 3.6V [uA]	I _{SD} Typ. @ < 3.1V [nA]	Over Charge Protection V _{OC} [V]	Over Discharge Protection, V _{TH_OFF} [V]	Short Circuit Protection [A]	ON Voltage to V _{OUT} , V _{ON} [V]	Slew Rate Control	Operating temperature	Package WLCSP Size
Battery Protection	GLF73510	5.5	2	28	30	0.51	< 5	NA	3.1	NA	3.5	√	-40°C ~ 85°C	0.97 x 0.97 x 0.55
Battery Protection with Short Circuit	GLF73710		1.5	30	32	0.65	35	NA	2.88	0.6	3.6			
Battery Protection with restart	GLF73810		1.5	33	36	0.72	350	4.35	2.8	0.6 Restry	3.6			
Battery Full Protection	GLF73910-AD01		1.5	34	36	0.72	70	4.35	2.8	0.6	3.6			
Battery Full Protection	GLF73911-AD01		1.5	34	36	0.72	70	4.35 (P)	2.8	0.6	3.6			
Battery Full Protection	GLF73910-BD01		1.5	34	36	0.72	70	4.5	2.8	0.6	3.6			

Note) (P) indicate a differnet function in V_{OC}.

电源睡眠芯片 Power Deep Sleep Protection

Product Type	Product Name	V _{OP} Max Voltage [V]	DC Current Rating [A]	R _{ON} Typ. @ 3.6V [mΩ]	I _O Typ. @ 3.6V [nA]	I _{SD} Typ. @ 3.6V [nA]	Output Discharge	Slew Rate Control	Rise Time t _r Typ [ms]	On Delay Time by /SRO, t _{VON} [s]	On Delay Time by WAKE, t _{ION} [ms]	Off Dely Time, t _{Sly-Dly} [s]	Operating temperature	Package WLCSP Size
Power Deep Sleep	GLF76321 / T	5.5	2	31	7	3	85Ω	√	1	1.3	0.8	7	-40°C ~ 85°C	0.97 x 1.47 x 0.55/0.35
	GLF76521 / T	5.5	2	31	7	3	85Ω	√	1	0.3	0.3	1.8	-40°C ~ 85°C	0.97 x 1.47 x 0.55/0.35

系统保护芯片 Power Reset Protection

Product Type	Product Name	V _{OP} Max Voltage [V]	DC Current Rating [A]	R _{ON} Typ. @ 3.6V [mΩ]	I _O Typ. @ 3.6V [nA]	I _{SD} Typ. @ 3.6V [nA]	Output Discharge	Rise Time t _r Typ [ms]	On Delay Time by /SRO, t _{VON} [s]	On Delay Time by WAKE, t _{ION} [ms]	Off Dely Time, t _{Sly-Dly} [s]	Reset Duration, t _{Reset} [ms]	Operating temperature	Package WLCSP Size
Power Reset	GLF76121	5.5	2	34	7	3	85Ω	1	1.4	0.9	5.8	360	-40°C ~ 85°C	0.97 x 1.47 x 0.55
	GLF76121S	5.5	2	34	7	3	85Ω	1	1.4	0.9	3	360	-40°C ~ 85°C	0.97 x 1.47 x 0.55
	GLF76121L	5.5	2	34	7	3	85Ω	1	1.4	0.9	11.6	700	-40°C ~ 85°C	0.97 x 1.47 x 0.55

LDO

Product Type	Product Name	V _{OP} Max Voltage [V]	V _{OUT} Voltage [V]	V _{OUT} Accuracy [%]	Line Regulation [%/V]	Road Regulation [%/mA]	I _{OUT} Rating [mA]	Dropout [V]	Short Circuit [mA]	I _O Typ. @ No load [uA]	I _{SD} Typ. [nA]	EN Pin	Operating temperature	Package WLCSP Size
LDO	GLF79110-12	5.5	1.2	2	0.01	0.001	150	100	250	0.4	4	Active H	-40°C ~ 85°C	0.97 x 0.97 x 0.55
	GLF79110-18	5.5	1.8	2	0.01	0.001	150	100	250	0.4	4	Active H	-40°C ~ 85°C	0.97 x 0.97 x 0.55
	GLF79110-28	5.5	2.8	2	0.01	0.001	150	100	250	0.4	4	Active H	-40°C ~ 85°C	0.97 x 0.97 x 0.55
	GLF79110-30	5.5	3.0	2	0.01	0.001	150	100	250	0.4	4	Active H	-40°C ~ 85°C	0.97 x 0.97 x 0.55