



GLF Integrated Power

Note) Part ID in green in Dev.

负载开关芯片

Integrated Power Load Switch

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
Nano-Current Consumed Power Switch	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				1				H	NA				
	GLF71303				0.54 uA				L	85Ω				
	GLF71307				1				H	85Ω				
	GLF71311		2	31	7	28	√	335	H	85Ω			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
	GLF71320		4	15	3	50	√	400	L	80Ω			-40°C ~ 85°C	0.97 x 1.47 x 0.55
	GLF71321		4	15	3	50	√	400	H	80Ω			-40°C ~ 85°C	
	GLF71325		4	18 @3.3V	1 @3.3V	16 @3.3V	√	2200	H	85Ω			-40°C ~ 105°C	
	GLF71301T		1.5	34	1	19	√	430	H	85Ω			0.77 x 0.77 x 0.35	
	GLF71311T		2	31	7	28	√	335	H	85Ω				
True Reverse Current Blocking	GLF72101	2	37	0.45 uA	20	√	570	H	85Ω	√	-40°C ~ 85°C	0.77 x 0.77 x 0.55		
	GLF72111	3	29	1.5 uA	24	√	1300	H	85Ω	√		0.97 x 0.97 x 0.55		
	GLF72120	4	14	1.3 uA	40	√	730	H	NA	√		0.97 x 1.47 x 0.55		
Prog. Long SR	GLF71431	7	10	5	55	Prog.	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		-40°C ~ 85°C	0.97 x 0.97 x 0.55	
	GLF72511									85Ω				
	GLF72520									4				10

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	GLF74520	5.5	2	35	4	20	√	√	√	√	NA	√	-40°C ~ 85°C	0.97 x 1.47 x 0.55
	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

3	Product Name	VOP Max Voltage [V]	DC Current Rating [A]	RON Typ. @ 4.2V [mΩ]	RON Typ. @ 3.6V [mΩ]	Iq Typ. @ 3.6V [uA]	Isd Typ. @ < 3.1V [nA]	Over Charge Protection V _{OC} [V]	Over Discharge Protection, V _{TH_OFF} [V]	Short Circuit Protection [A]	ON Voltage to VOUT, V _{ON}	Slew Rate Control	Operating temperature	Package WLCSP Size
Battery Protection	GLF73510	5.5	2	28	30	0.51	3	NA	3.05	NA	3.5	√	-40°C ~ 85°C	0.97 x 0.97 x 0.55
	GLF73710		1.5	30	31	0.65	35	NA	2.88	0.55	3.6			
	GLF73810		1.5	33	36	0.68	390	4.35	2.88	0.6 Restry	3.6			
	GLF73910-AD01		1.5	34	36	0.72	70	4.35	2.8	0.6	3.6			
	GLF73910-BD01		1.5	34	36	0.72	70	4.50	2.8	0.6	3.6			
	GLF73911-AD01		1.5	34	36	0.72	35	4.35 (P)	2.8	0.6	3.6			

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

电源睡眠芯片 Power Deep Sleep Protection

Product Type	Product Name	VOP Max Voltage [V]	DC Current Rating [A]	RON Typ. @ 3.6V [mΩ]	Iq Typ. @ 3.6V [nA]	Isd Typ. @ 3.6V [nA]	Output Discharge	Slew Rate Control	Rise Time t _r Typ [ms]	On Delay Time by /SRO, t _{VON} t _{sl}	On Delay Time by WAKE, t _{WAKE}	Off Delay 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	VOP Max Voltage [V]	DC Current Rating [A]	RON Typ. @ 3.6V [mΩ]	Iq Typ. @ 3.6V [nA]	Isd Typ. @ 3.6V [nA]	Output Discharge	Rise Time t _r Typ [ms]	On Delay Time by /SRO, t _{VON} t _{sl}	On Delay Time by WAKE, t _{WAKE} t _{sl}	Off Delay 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	3.0	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	VOP Max Voltage [V]	VOUT Voltage [V]	VOUT Accuracy [%]	Line Regulation [%/V]	Road Regulation [%/mA]	IOUT Rating [mA]	Dropout [V]	Short Circuit [mA]	Iq Typ. @ No load [uA]	Isd Typ. [nA]	EN Pin	Operating temperature	Package WLCSP Size
LDO	GLF79110-18	5.5	1.8	2.5	0.063	0.002	150	52	250	0.8	4	H	-40°C ~ 85°C	0.97 x 0.97 x 0.55
	GLF79110-28	5.5	2.8	2.5	0.02	0.002	150	60	250	0.8	4	H	-40°C ~ 85°C	0.97 x 0.97 x 0.55
	GLF79110-30	5.5	3.0	2.5	0.02	0.002	150	62	250	0.8	4	H	-40°C ~ 85°C	0.97 x 0.97 x 0.55