

DIODES INC. DC-DC Power Management ICs



This product is RoHS compliant.

DC-DC CONVERTERS

MOUSER STOCK NO.	Diodes Inc. Part No.	Type	Package	Input Voltage	Output Voltage	Output Current	Price Each			Reel Qty.	Price Per Piece
							1	25	100		
621-AP1506-33K5L-U	AP1506-33K5L-U	Buck	TO263-5L	24V	3.3V	3A	3.09	2.62	2.20	-	-
621-AP1506-50K5L-U	AP1506-50K5L-U	Buck	TO263-5L	24V	5V	3A	2.46	2.01	1.72	-	-
621-AP1539SDPG-13	AP1539SDPG-13	Buck	SOIC-8	3.6V-18V	0.8V-18V	4A	1.29	-	.90	2500	.504
621-AP34063S8L-13	AP34063S8L-13	Buck/Boost/Inverter	SOP-8L	3V - 40V	Adjustable	1.5A	.60	.54	.48	2500	.232
621-AP5100WG-7	AP5100WG-7	Buck	SOT-26	4.75V - 24V	0.81V - 15V	1.2A	1.02	.90	.705	3000	.42

SINGLE P-CANNEL SLEW RATE CONTROLLED LOAD SWITCH MOSFETS

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Output Turn-on Rise Time	Operating Voltage	Max. Switch Current	Price Each			Reel Qty.	Price Per Piece
						1	10	100		
621-AP2280-1WG-7	AP2280-1WG-7	SOT-25	100µs	1.5V - 6V	2A	.70	.60	.48	3000	.232
621-AP2280-2WG-7	AP2280-2WG-7	SOT-25	1ms	1.5V - 6V	2A	.70	.60	.48	3000	.232

MOTOR/MOTION/IGNITION CONTROLLERS



MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Output	Operating Voltage (V)	Supply Current (mA)	Output Current (mA)	Operating Temp (°C)	Price Each			Reel Qty.	Price Per Piece
								1	10	100		
621-AH5795-FDC-7	AH5795-FDC-7	DFN-2020C-6	H-Bridge	1.8 - 6	1000	500	-40 to 105	.88	.798	.743	3000	.52
621-AH5795-WU-7	AH5795-WU-7	TSOT-23-6	H-Bridge	1.8 - 6	1000	500	-40 to 105	.96	.87	.818	3000	.57

MICROPROCESSOR SUPERVISORY CIRCUITS

- 30µA Supply Current (Typ.)
- Guaranteed Reset Valid to VCC= +1V
- Power-On/power supply glitch Reset Pulse



MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Typ. Reset Threshold Volt (V _{TH})	Typ. Quiescent Current (µA)	Typ. Time Delay (ms)	Reset Output			Price Each			Reel Qty.	Price Per Piece
						Active High	Active Low	Topology	1	10	100		
621-APX811-31UG-7	APX811-31UG-7	SOT-143	2.69	40	280	N	Y	Push-Pull	.50	.39	.297	3000	.14
621-APX823-26W5G-7	APX823-26W5G-7	SOT-25-5	2.69	40	280	N	Y	Push-Pull	.52	.41	.309	3000	.145
621-APX803D-29SAG-7	APX803D-29SAG-7	SOT23R	2.93	20	2	N	Y	Open Drain	.61	.423	.363	3000	.171
621-APX803D-29SRG-7	APX803D-29SRG-7	SOT23R	2.93	20	2	N	Y	Open Drain	.66	.51	.45	3000	.218
621-APX803-23SAG-7	APX803-23SAG-7	SOT-23	2.25	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-23SRG-7	APX803-23SRG-7	SOT-23R	2.25	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-26SAG-7	APX803-26SAG-7	SOT-23	2.63	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-26SRG-7	APX803-26SRG-7	SOT-23R	2.63	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-29SAG-7	APX803-29SAG-7	SOT-23	2.93	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-29SRG-7	APX803-29SRG-7	SOT-23R	2.93	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-31SAG-7	APX803-31SAG-7	SOT-23	3.08	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-31SRG-7	APX803-31SRG-7	SOT-23R	3.08	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-40SAG-7	APX803-40SAG-7	SOT-23	4.00	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-40SRG-7	APX803-40SRG-7	SOT-23R	4.00	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-44SAG-7	APX803-44SAG-7	SOT-23	4.38	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-44SRG-7	APX803-44SRG-7	SOT-23R	4.38	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-46SAG-7	APX803-46SAG-7	SOT-23	4.63	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX803-46SRG-7	APX803-46SRG-7	SOT-23R	4.63	20	200	N	Y	Open Drain	.52	.41	.28	3000	.119
621-APX811-29UG-7	APX811-29UG-7	SOT-143	4.7	30	200	N	Y	Push-Pull	.50	.39	.297	3000	.14

USB POWER SWITCHES

- Over-current and thermal protection
- Very low shutdown current: 1µA (max)
- 90mΩ on-resistance
- Reverse current blocking
- Active high or low enable
- Fault report (FLG) with blanking time (7ms typ)



MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Operating Voltage (V)	Max. Cont. Current (A)	Max. Current Limit (A)	Channels	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
621-AP2171FMG-7	AP2171FMG-7	SOT-26	2.7 - 5.5	0.2	-	1	.66	.51	.45	3000	.218
621-AP2156SG-13	AP2156SG-13	SOP-8L	2.7 - 5.5	0.5	0.5	2	.95	.85	.587	2500	.35
621-AP2331SA-7	AP2331SA-7	SOT-23	2.1 - 5.5	1	1.9	1	.28	.254	.24	3000	.167
621-AP2196SG-13	AP2196SG-13	SOP-8L	2.7 - 5.5	1.5	2.6	2	1.89	1.49	1.14	2500	.572
621-AP2401FGE-7	AP2401FGE-7	UDFN-3030-8	2.7 - 5.5	2	2.5	1	.31	.28	.26	3000	.183
621-AP2401MP-13	AP2401MP-13	MSOP-8-EP	2.7 - 5.5	2	2.5	1	.29	.261	.25	2500	.171
621-AP2401S-13	AP2401S-13	SO-8	2.7 - 5.5	2	2.5	1	.29	.261	.25	2500	.171
621-AP2411FGE-7	AP2411FGE-7	UDFN-3030-8	2.7 - 5.5	2	2.5	1	.31	.28	.26	3000	.183
621-AP2411MP-13	AP2411MP-13	MSOP-8-EP	2.7 - 5.5	2	2.5	1	.29	.261	.25	2500	.171
621-AP2411S-13	AP2411S-13	SO-8	2.7 - 5.5	2	2.5	1	.29	.261	.25	2500	.171

LED DRIVER ICs



MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Min-Max Input Voltage (V)	Output Voltage (V)	Typ. Peak Output Current (A)	Frequency (kHz) (Typ.)	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
621-AL8400SE-7	AL8400SE-7	SOT353	2.2-18	18	0.015	-	.79	.684	.54	3000	.261
621-AP5725WG-7	AP5725WG-7	SOT-26	2.7 - 5.5	-	0.75	1200	.72	.572	.429	3000	.202
621-AP5724WG-7	AP5724WG-7	SOT-26	2.7-5.5	26	-	1400	.72	.572	.429	3000	.202
621-AL8805W5-7	AL8805W5-7	SOT-25	6 - 30	30	1	1000	1.80	1.60	1.34	-	-
621-AL8807W5-7	AL8807W5-7	SOT-25	6-36	30	1	1000	1.28	1.16	1.04	3000	.68
621-AL8807MP-13	AL8807MP-13	MSOP-8EP	6-36	30	1.3	1000	1.60	1.44	1.29	3000	.145
621-AL8806MP8-13	AL8806MP8-13	MSOP-8-EP	6-36	36	1.5	1000	2.24	1.95	1.59	3000	.878
621-AL9910-5SP-13	AL9910-5SP-13	SO-8 EP	7.5	-	0.001	300	2.02	1.81	1.74	2500	1.19
621-AP8802SPG-13	AP8802SPG-13	SO-8-EP	8-48	48	1	500	2.11	1.80	1.47	2500	.80
621-AL3158FSG-7	AL3158FSG-7	QFN-3030-20	2.7 - 5.5	-	0.2	-	.94	.727	.641	3000	.31
621-AL3159FSG-7	AL3159FSG-7	QFN-3030-20	2.7 - 5.5	-	0.2	1200	.91	.816	.72	3000	.348
621-AL9910AS-13	AL9910AS-13	SO-8	85VAC - 265VAC	7.5	1	300	1.90	1.70	1.50	-	-
621-AL9910S-13	AL9910S-13	SO-8	15 - 500	10	1	300	1.90	1.70	1.35	-	-
621-AL9910SP-13	AL9910SP-13	SO-8-EP	15-500	-	0.01	100	1.92	1.64	1.33	2500	.73
621-AL9910ASP-13	AL9910ASP-13	SO-8-EP	20-500	-	0.01	100	1.16	1.03	.823	-	-
621-AL5802-7	AL5802	SOT-26	5-24	30	0.15	-	.16	.145	.14	3000	.095
621-AP8800SG-13	AP8800SG-13	SOP-8L	8 - 28	28	0.35	600	1.19	1.05	.945	2500	.49
621-AP8802SG-13	AP8802SG-13	SOP-8L	8 - 48	48	1.0	500	1.51	1.36	1.23	2500	.68