

NEC ELECTRONICS AMERICA Power Management

NEC
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 This product is RoHS compliant.

LOW DROPOUT VOLTAGE REGULATORS

- Ranging upward from a low output voltage of 1.5V
- Low current consumption with CMOS process, reduced from 1.5mA
- On/off function on UPC30 series
- High precision output voltage ($\pm 1\%$)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Package	Vin. (V) Max.	Io (A)	Vo (V)	Dropout (V) Max.	Price Each		
							1	25	100
Bipolar Analog									
879-UPC2933BHFZ	UPC2933BHF-AZ	TO-220	16	1.0	3.3	0.6 at IO=0.5A			
879-UPC2933BT1D-AT	UPC2933BT1D-AT-E1	TO-252	16	1.0	3.3	0.6 at IO=0.5A			
879-UPC2905BT1D-E1	UPC2905BT1D-E1-AT	SC-74A	16	1	5	0.6 at IO=0.5A			
879-UPC2918BT1D-E1	UPC2918BT1D-E1-AT	TO-220	16	1	1.8	0.6 at IO=0.5A			
879-UPC2905BHFZ	UPC2905BHF-AZ	TO-220	16	1	5	0.6 at IO=0.5A			
Standard									
879-UPD120N15T1BZ	UPD120N15T1B-AZ	SOT-89	6	0.3	1.5	0.9 at IO=0.15A			
879-UPD120N18T1B-E1	UPD120N18T1B-E1-AZ	TO-126	6	0.3	1.8	0.9 at IO=0.15A			
879-UPD120N18TA-E1-A	UPD120N18TA-E1-A	TO-126	6	0.3	1.8	0.65 at IO=0.15A			

LOW VOLTAGE POWER MOSFETS

- Super low ON-resistance
- Applications ranging from automotive electronics to PC power supplies
- A wide variety of package types for various mounting requirements
- High reliability

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MOUSER STOCK NO.	NEC Part No.	Package	Configuration	Polarity	Vdss (V)	Id (DC) (A)	Price Each		
							1	25	100
879-2SK3105-T1B	2SK3105-T1B-A	SC-75	Single	N	30	2.5			
879-NP110N055PUG-E1Z	NP110N055PUG-E1-AZ	MP-25ZP	Single	N	55	110			
879-2SK1580-T1	2SK1580-T1-A	SC-70	Single	N	16	1			
879-2SK1586-T1Z	2SK1586-T1-AZ	SC-62	Single	N	30	1			
879-2SK1824-T1	2SK1824-T1-A	SC-75	Single	N	30	0.1			
879-2SK1958-T1	2SK1958-T1-A	SC-70	Single	N	16	0.1			
879-2SK2857-T1Z	2SK2857-T1-AZ	SC-62	Single	N	60	4			
879-2SK2858-T1	2SK2858-T1-A	SC-70	Single	N	30	0.1			
879-2SK3105-T1B	2SK3105-T1B-A	SC-75	Single	N	30	2.5			
879-NP22N055SLE-E1	NP22N055SLE-E1-AZ	TO-253	Single	N	55	22			
879-2SK3503-T1	2SK3503-T1-A	SC-75	Single	N	16	0.1			
879-UPA2707TP-E1Z	UPA2707TP-E1-AZ	HSOP-8	Single	N	30	42			
879-NP40N055KLEE1-AY	NP40N055KLE-E1-AY	TO-263ZK	Single	N	55	± 40			
879-NP48N055KHEE1-AY	NP48N055KHE-E1-AY	TO-263ZK	Single	N	55	± 48			
879-NP52N06SLG-E1-AY	NP52N06SLG-E1-AY	TO-252ZK	Single	N	60	± 52			
879-NP55N03SUG-E1-AY	NP55N03SUG-E1-AY	TO-252ZK	Single	N	30	± 55			
879-NP55N04SUG-E1-AY	NP55N04SUG-E1-AY	TO-252ZK	Single	N	40	± 55			
879-NP82N04PDG-E1-AY	NP82N04PDG-E1-AY	TO-263ZP	Single	N	40	± 82			
879-NP82N06PDG-E1-AY	NP82N06PDG-E1-AY	TO-263ZP	Single	N	60	± 82			
879-2SJ202-T1	2SJ202-T1-A	SC-70	Single	P	-16	-0.1			
879-2SJ243-T1	2SJ243-T1-A	SC-75	Single	P	-30	-0.1			
879-2SJ647-T1	2SJ647-T1-A	SC-70	Single	P	-20	-0.4			
879-2SJ648-T1	2SJ648-T1-A	SC-75	Single	P	-20	-0.4			
879-UPA650TT-E1	UPA650TT-E1-A	WSOF-6	Single	P	-12	-5			
879-UPA1816GR-9JG-E1	UPA1816GR-9JG-E1-A	TSSOP-8	Single	P	-12	-9			
879-NP100P06PDGE1-AY	NP100P06PDG-E1-AY	TO-263ZP	Single	P	-60	± 100			
879-NP36P04KDG-E1-AY	NP36P04KDG-E1-AY	TO-263ZK	Single	P	-40	± 108			
879-NP36P06KDG-E1-AY	NP36P06KDG-E1-AY	TO-263ZK	Single	P	-60	± 36			
879-NP50P04KDG-E1-AY	NP50P04KDG-E1-AY	TO-263ZK	Single	P	-40	± 50			
879-NP50P06KDG-E1-AY	NP50P06KDG-E1-AY	TO-263ZK	Single	P	-60	± 50			
879-NP83P04PDG-E1-AY	NP83P04PDG-E1-AY	TO-263ZP	Single	P	-40	± 83			
879-NP83P06PDG-E1-AY	NP83P06PDG-E1-AY	TO-263ZP	Single	P	-60	± 83			
879-NP100P04PDGE1-AY	NP100P04PDG-E1-AY	TO-263ZP	Single	P	-40	± 100			
879-UPA1970TE-T1	UPA1970TE-T1-A	SC-95	Dual	N	20	2.2			
879-UPA2755GR-E1	UPA2755GR-E1-A	SOP-8	Dual	N	30	8			
879-UPA672T-T1	UPA672T-T1-A	SC-88	Dual	N	50	0.1			
879-UPA677TB-T1	UPA677TB-T1-A	SC-88	Dual	N	20	0.35			
879-UPA1856GR-9JG-E1	UPA1856GR-9JG-E1-A	TSSOP-8	Dual	P	-20	-4.5			
879-UPA1890GR-9JG-E1	UPA1890GR-9JG-E1-A	TSSOP-8	Complementary	N/P	30	6			

ESD PROTECTION DIODES

- Ensured compliance with international ESD standard (IEC61000-4-2 Level 4)
- Low capacitance, suitable for high-speed signal lines

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Package	Configuration	Ct (pF)	IR (uA)	ESD (min.) kV	Price Each		
							1	25	100
879-NSAD500F	NSAD500F-A	SC-59	Dual	3.5	0.1	8			
879-NSAD500H	NSAD500H-A	SC-88A	Quad	3.5	0.1	8			

USB DEVICES

- USB2.0 specification
- Supports connection to existing USB1.x devices
- 40 times faster than USB 1.x.

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MOUSER STOCK NO.	NEC Part No.	Package	Transfer Rate (USB 2.0)	Vdd (typ.)	Price Each		
					1	25	100
879-UPD720101GJ-UEN	UPD720101GJ-UEN-A	144 Pin LQFP	480Mbps	3.3 - 5.0			
879-UPD720101F1-EA8	UPD720101F1-EA8-A	144 Pin FPBGA	480Mbps	3.3 - 5.0			
879-UPD720112GK-9EU	UPD720112GK-9EU-A	4 port HUB	480Mbps	2.5 - 3.3			
879-UPD720113GK-9EU	UPD720113GK-9EU-A	7 port HUB	480Mbps	2.5 - 3.3			
879-UPD720114GA-9EU	UPD720114GA-9EU-A	4 port HUB	480Mbps	3.3			