

# ON SEMICONDUCTOR Thyristors and Circuit Protection

ON Semiconductor®



RoHS Compliant This product is RoHS compliant.

Thyristors

## THYRISTORS

Silicon

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IT(RMS) Max (A)	VDRM Min (V)	ITSM Max (A)	IGT Max (mA)	VGT Max (V)	Price Each			
								1	25	100	500
863-2N5061RLRAG	2N5061RLRAG	TO-92	0.8	-	10	0.2	0.8	.31	.22	.177	.146
863-2N6404G	2N6404G	TO-220 3	16	-	160	30	1.5	1.49	1.19	.927	.786
863-MCR100-6G	MCR100-6G	TO-92	0.8	-	10	0.2	0.8	.29	.22	.146	.12
863-MCR12DSMT4G	MCR12DSMT4G	DPAK 4	12	600	100	0.2	1	.97	.877	.59	.504
863-MCR22-6RLRAG	MCR22-6RLRAG	TO-92	1.5	400	15	0.2	0.8	.39	.28	.198	.163
863-MCR22-8RL1G	MCR22-8RL1G	TO-92	1.5	600	15	0.2	0.8	.42	.30	.211	.174
863-MCR69-3G	MCR69-3G	TO-220 3	25	-	300	30	1.5	1.00	.93	.862	.786
863-MCR8SNG	MCR8SNG	TO-220 3	8	800	80	0.2	1	1.01	.80	.627	.533

## Programmable Unijunction Transistors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IGAO Max (µA)	IP Max (µA)	VT (V)		IV Max (µA)	Price Each			
					Min	Max		1	25	100	500
863-2N6027G	2N6027G	TO-92	0.01	2	0.2	1.6	50	.37	.26	.187	.154
863-2N6028G	2N6028G	TO-92	0.01	0.15	0.2	0.6	25	.37	.26	.187	.154

## Silicon Control Rectifiers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IT(RMS) Max (A)	VDRM Min (V)	ITSM Max (A)	IGT Max (mA)	VGT Max (V)	Price Each			
								1	25	100	500
863-C106BG	C106BG	TO-225	4	200	20	0.2	0.8	.59	.49	.37	.32
863-2N6507TG	2N6507TG	TO-220	25	400	300	30	1.5	1.49	1.19	.927	.786
863-C106D1G	C106D1G	TO-225	4	400	20	0.2	0.8	.70	.62	.46	.386
863-C106DG	C106DG	TO-225	4	400	20	0.2	0.8	.70	.652	.46	.386
863-MCR25DG	MCR25DG	TO-220	25	400	300	30	1	1.28	1.15	.956	.829
863-MCR8SDG	MCR8SDG	TO-220	8	400	80	0.2	1	.95	.852	.576	.49
863-C106MG	C106MG	TO-225	4	600	20	0.2	0.8	.70	.652	.46	.386
863-MCR12NG	MCR12NG	DPAK	12	800	100	20	1	.99	.79	.627	.533
863-MCR8SNG	MCR8SNG	TO-220	8	800	80	0.2	1	1.01	.80	.627	.533

## SIDACs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IT(RMS) Max (A)	V(BO)		Price Each			
				Min.	Max	1	25	100	500
863-MKP3V120G	MKP3V120G	Axial Lead	1	110	130	.98	.882	.762	.68
863-MKP3V120RLG	MKP3V120RLG	Axial Lead	1	110	130	.98	.882	.762	.68
863-NP1500SCT3G	NP1500SCT3G	SMB-2	2.2	-	180	.59	.477	.451	.372

## TRIACS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IT(RMS) Max (A)	VDRM Min (V)	ITSM Max (A)	Type	Price Each			
							1	25	100	500
863-MAC97A4G	MAC97A4G	TO-92	0.6	200	8	Sensitive Gate Triac	.24	.21	.165	.136
863-MAC08BT1G	MAC08BT1G	SOT-223	0.8	200	8	Sensitive Gate Triac	.43	.365	.257	.216
863-2N6071BTG	2N6071BTG	TO-225	4	200	30	Sensitive Gate Triac	.65	.562	.396	.333
863-2N6073BG	2N6073BG	TO-225	4	400	30	Sensitive Gate Triac	.56	.43	.379	.322
863-2N6075AG	2N6075AG	TO-225	4	600	30	Sensitive Gate Triac	.40	.337	.297	.268
863-MAC4DHMT4G	MAC4DHMT4G	DPAK	4	600	40	Sensitive Gate Triac	.63	.53	.411	.329
863-MAC228A6G	MAC228A6G	TO-220AB	8	400	80	Sensitive Gate Triac	1.19	1.01	.80	.68
863-MAC8DG	MAC8DG	TO-220AB	8	400	80	Triac	1.35	1.20	.95	.737
863-T2800DG	T2800DG	TO-220AB	8	400	100	Triac	1.61	1.25	1.01	.868
863-2N6344G	2N6344G	TO-220AB	8	600	100	Triac	1.50	1.21	1.03	.876
863-MAC8SMG	MAC8SMG	TO-220AB	8	600	70	Sensitive Gate Triac	1.05	.81	.729	.52
863-MAC228A8G	MAC228A8G	TO-220AB	8	600	80	Sensitive Gate Triac	1.29	1.01	.80	.68
863-MAC8MG	MAC8MG	TO-220AB	8	600	80	Triac	1.35	1.20	.95	.737
863-MAC8SNG	MAC8SNG	TO-220AB	8	800	70	Sensitive Gate Triac	1.02	.92	.82	.575
863-MAC228A10G	MAC228A10G	TO-220AB	8	800	80	Sensitive Gate Triac	1.23	1.04	.827	.703
863-MAC8NG	MAC8NG	TO-220AB	8	800	80	Triac	1.01	.79	.627	.533
863-BTA08-800BW3G	BTA08-800BW3G	TO-220AB	8	800	90	Triac	.90	.888	.695	.465
863-BTA08-800CW3LFG	BTA08-800CW3LFG	TO-220AB	8	800	90	Triac	1.12	.961	.878	.753
863-2N6348AG	2N6348AG	TO-220AB	12	600	100	Triac	1.53	1.28	.956	.829
863-MAC12MG	MAC12MG	TO-220AB	12	600	100	Triac	.82	.73	.60	.51
863-BTA12-600BW3G	BTA12-600BW3G	TO-220AB	12	600	105	Triac	1.17	1.15	.907	.608
863-2N6349AG	2N6349AG	TO-220AB	12	800	100	Triac	1.39	1.25	.956	.814
863-BTA12-800BW3G	BTA12-800BW3G	TO-220AB	12	800	105	Triac	1.17	1.15	.907	.608
863-BTB12-800BW3G	BTB12-800BW3G	TO-220AB	12	800	120	Triac	.91	.83	.747	.567
863-MAC15A6G	MAC15A6G	TO-220AB	15	400	150	Triac	1.52	1.28	.956	.829
863-MAC15A8G	MAC15A8G	TO-220AB	15	600	150	Triac	1.52	1.28	.956	.829
863-MAC15A10G	MAC15A10G	TO-220AB	15	800	150	Triac	1.39	1.21	.956	.814
863-MAC16DG	MAC16DG	TO-220AB	16	400	150	Triac	1.21	.93	.841	.638
863-MAC16MG	MAC16MG	TO-220AB	16	600	150	Triac	1.21	.94	.75	.638
863-BTA16-600SW3G	BTA16-600SW3G	TO-220-3	16	600	170	Triac	1.08	1.04	.999	.913
863-MAC16NG	MAC16NG	TO-220AB	16	800	150	Triac	1.41	1.19	.85	.723
863-BTA16-800SW3G	BTA16-800SW3G	TO-220-3	16	800	170	Triac	1.08	1.04	.999	.913

## CIRCUIT PROTECTION

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V(BR) Typ (V)	VRWM Max (V)	IR Max (µAmps)	R Typ (Ω)	C Typ (pF)	Price Each			
								1	25	100	500
<b>Audio Filters</b>											
863-NUF2114MNT1G	NUF2114MNT1G	DFN-8	15.7	12	0.1	8.4	60	.72	.56	.56	.489
<b>Dataline Filters</b>											
863-NZF220DFT1G	NZF220DFT1G	SOT-353	7	3	1	100	22	.38	.281	.281	.228
<b>USB Filters</b>											
863-NUF2101MT1G	NUF2101MT1G	TSOP-6	7	5.25	0.1	30	55	.42	.295	.295	.208
863-NUF2221W1T2G	NUF2221W1T2G	SC-88	6.8	5.25	0.1	22	42	.48	.34	.34	.24
<b>Dataline Filters</b>											
863-NUF4010MUT2G	NUF4010MUT2G	UDFN-8	7	5	0.1	100	7	.86	.55	.55	.444
863-NUF6010MUT2G	NUF6010MUT2G	UDFN-12	6.8	5	0.1	100	7	.62	.37	.37	.353
863-NUF6410MNT1G	NUF6410MNT1G	DFN-12	6.8	5	0.1	100	7	.69	.356	.356	.306

## ESD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V(BR)		VRWM Max (V)	IR Max (µAmps)	Price Each			
			Min (V)	Max (V)			1	25	100	500
<b>Bidirectional</b>										
863-NUP4301MR6T1G	NUP4301MR6T1G	SC-74	70	---	---	2.5	.29	.239	.199	.165
863-NUP1301ML3T1G	NUP1301ML3T1G	SOT-23	70	2.5	---	---	.56	.316	.17	.136
863-NUP2301MW6T1G	NUP2301MW6T1G	SOT-363	70	2.5	---	---	.50	.346	.256	.22
<b>Unidirectional</b>										
863-NUP4103FCT1G	NUP4103FCT1G	Flip Chip-5	6	8	5.5	0.1	.30	.24	.22	.19