

# ON SEMICONDUCTOR Thyristors and Circuit Protection

ON Semiconductor®



RoHS Compliant This product is RoHS compliant.

## THYRISTORS

### Silicon

For quantities of 1000 and up, 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	.26	.19	.171	.13
863-2N6404G	2N6404G	TO-220 3	16	-	160	30	1.5	1.43	1.32	.857	.677
863-MCR100-6G	MCR100-6G	TO-92	0.8	-	10	0.2	0.8	.24	.20	.153	.115
863-MCR12DSMT4G	MCR12DSMT4G	DPAK 4	12	600	100	0.2	1	.84	.763	.506	.407
863-MCR22-6RLRAG	MCR22-6-RLRAG	TO-92	1.5	400	15	0.2	0.8	.34	.267	.164	.127
863-MCR22-8RL1G	MCR22-8RL1G	TO-92	1.5	600	15	0.2	0.8	.34	.305	.175	.136
863-MCR69-3G	MCR69-3G	TO-220 3	25	-	300	30	1.5	.89	.807	.742	.677
863-MCR8SNG	MCR8SNG	TO-220 3	8	800	80	0.2	1	.98	.84	.69	.458

### Programmable Unijunction Transistors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IGAO Max (μA)	IP Max (μA)	VT		IV Max (μA)	Price Each			
					Min (V)	Max (V)		1	25	100	500
863-2N6027G	2N6027G	TO-92	0.01	2	0.2	1.6	50	.25	.226	.162	.129
863-2N6028G	2N6028G	TO-92	0.01	0.15	0.2	0.6	25	.21	.178	.162	.129

### EMI and RFI Filters

For quantities of 1000 and up, 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	.40	.352	.241	.193
863-2N6507TG	2N6507TG	TO-220	25	400	300	30	1.5	1.43	1.24	.916	.677
863-C106D1G	C106D1G	TO-225	4	400	20	0.2	0.8	.37	.324	.241	.193
863-C106DG	C106DG	TO-225	4	400	20	0.2	0.8	.42	.372	.252	.199
863-MCR25DG	MCR25DG	TO-220	25	400	300	30	1	1.05	.95	.887	.75
863-MCR8SDG	MCR8SDG	TO-220	8	400	80	0.2	1	.75	.677	.582	.549
863-C106MG	C106MG	TO-225	4	600	20	0.2	0.8	.42	.372	.252	.199
863-MCR12NG	MCR12NG	DPAK	12	800	100	20	1	.84	.764	.69	.458
863-MCR8SNG	MCR8SNG	TO-220	8	800	80	0.2	1	.98	.84	.69	.458

### SIDACs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IT(RMS) Max (A)	V(BO) Min.	V(BO) Max	Price Each			
						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

### TRIACS

For quantities of 1000 and up, 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
863-2N6344G	2N6344G	TO-220 3	8	600	100	Triac	1.44	1.24	.925	.731
863-MAC12DG	MAC12DG	TO-220 3	12	100	100	Sensitive Gate Triacs	.88	.792	.582	.46
863-MAC4DHMT4G	MAC4DHMT4G	DPAK 4	4	600	40	Triac	.58	.486	.374	.30
863-MAC12DG	MAC12DG	TO-220	12	100	100	Sensitive Gate Triac	.88	.792	.582	.46
863-2N6071BG	2N6071BG	TO-225	4	200	30	Sensitive Gate Triac	.52	.477	.327	.258
863-2N6071BTG	2N6071BTG	TO-225	4	200	30	Sensitive Gate Triac	.60	.515	.429	.343
863-2N6073BG	2N6073BG	TO-225	4	400	30	Sensitive Gate Triac	.49	.391	.327	.258
863-MAC15A6G	MAC15A6G	TO-220	15	400	150	Triac	1.25	1.05	.875	.75
863-MAC16DG	MAC16DG	TO-220	16	400	150	Triac	1.17	1.01	.76	.60
863-MAC228A6G	MAC228A6G	TO-220	8	400	80	Sensitive Gate Triac	1.13	1.02	.74	.585
863-MAC8DG	MAC8DG	TO-220	8	400	80	Triac	.64	.575	.527	.48
863-2N6075AG	2N6075AG	TO-225	4	600	30	Sensitive Gate Triac	.52	.515	.327	.258
863-2N6075BG	2N6075BG	TO-225	4	600	30	Sensitive Gate Triac	.49	.381	.327	.258
863-2N6348AG	2N6348AG	TO-220	12	600	100	Triac	1.25	1.05	.875	.75
863-MAC12MG	MAC12MG	TO-220	12	600	100	Triac	.63	.559	.555	.439
863-MAC15A8G	MAC15A8G	TO-220	15	600	150	Triac	1.25	1.05	.875	.75
863-MAC16MG	MAC16MG	TO-220	16	600	150	Triac	1.11	.88	.727	.575
863-MAC228A8G	MAC228A8G	TO-220	8	600	80	Sensitive Gate Triac	1.13	1.02	.74	.585
863-MAC8MG	MAC8MG	TO-220	8	600	80	Triac	.84	.677	.598	.439
863-MAC8SMG	MAC8SMG	TO-220	8	600	70	Sensitive Gate Triac	.93	.84	.601	.475
863-2N6349AG	2N6349AG	TO-220	12	800	100	Triac	1.25	1.05	.875	.75
863-MAC15A10G	MAC15A10G	TO-220	15	800	150	Triac	1.25	1.05	.875	.75
863-MAC16NG	MAC16NG	TO-220	16	800	150	Triac	1.17	.983	.83	.606
863-MAC228A10G	MAC228A10G	TO-220	8	800	80	Sensitive Gate Triac	1.26	1.16	.764	.604
863-MAC8NG	MAC8NG	TO-220	8	800	80	Triac	.98	.971	.684	.501
863-MAC8SNG	MAC8SNG	TO-220	8	800	70	Sensitive Gate Triac	.93	.84	.744	.62

## CIRCUIT PROTECTION

### EMI and RFI Filters

For quantities of 1000 and up, 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>Dataline Filters</b>												
863-NZF220DFT1G	NZF220DFT1G	SOT-353	7	3	1	100	22	.39	.31	.264	.209	
<b>USB Filters</b>												
863-NUF2101MT1G	NUF2101MT1G	TSOP-6	7	5.25	0.1	30	55	.60	.48	.43	.37	
863-NUF2221W1T2G	NUF2221W1T2G	SC-88	6.8	5.25	0.1	22	42	.52	.42	.252	.199	

### ESD

For quantities of 1000 and up, 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	.47	.354	.212	.165
863-NUP1301ML3T1G	NUP1301ML3T1G	SOT-23	70	2.5	- - -	- - -	.16	.13	.10	.08
863-NUP2301MW6T1G	NUP2301MW6T1G	SOT-363	70	2.5	- - -	- - -	.34	.27	.21	.17
<b>Unidirectional</b>										
863-NUP4103FCT1G	NUP4103FCT1G	Flip Chip-5	6	8	5.5	0.1	.30	.24	.22	.19