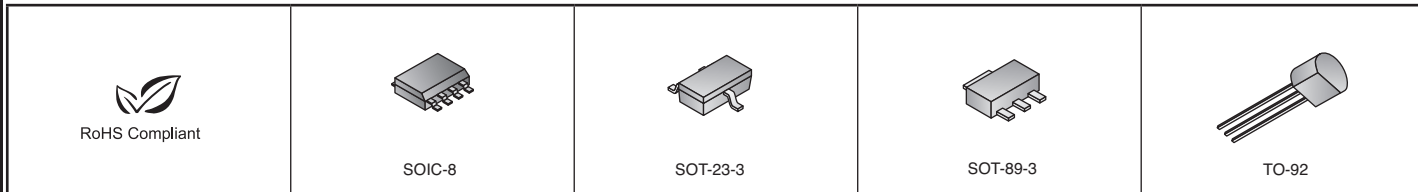


SUPERTEX Enhancement-Mode MOSFETs

Supertex

Products may be RoHS compliant. Check mouser.com for RoHS status.

MOSFETs



◆ Surface Mount Device

Supertex

SUPERTEX P-CHANNEL ENHANCEMENT-MODE MOSFETs

† Low Threshold

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package Type	RoHS Compliant	Drain-to-Source Breakdown Voltage BV _{DSS}	Gate Threshold Voltage		Drain-to-Source ON-State Resistance R _{DS(ON)}	ON-State Drain Current I _{D(ON)}	Input Capacitance C _{ISS}	Turn-ON/Turn-OFF Delay Time		Power Dissipation @ TA=25°C	Price Each							
					V _{GS(th)}					Max. (Ω)	Min. (A)		C _{ISS}	t _(ON)	t _(OFF)	W	1	100	500	1000
					Min. (V)	Max. (V)								Max. (ns)	Max. (ns)					
† 689-LP0701N3-G	LP0701N3-G	TO-92	Yes	-16.5	0.5	-1	1.5	-1.25	120	20	30	1	.99	.82	.76	.73				
◆† 689-TP2502N8-G	TP2502N8-G	SOT-89-3	Yes	-20	-1	-2.4	2	-2	100	10	15	1.6	.86	.71	.66	.63				
689-VP3203N3-G	VP3203N3-G	TO-92	Yes	-30	-1	-3.5	0.6	-4	220	10	25	0.74	1.10	.914	.847	.814				
◆† 689-TP2104K1-G	TP2104K1-G	SOT-23-3	Yes	-40	-1	-2	6	-0.6	45	6	9	0.36	.44	.36	.34	.32				
† 689-TP2104N3-G	TP2104N3-G	TO-92	Yes	-40	-1	-2	6	-0.6	45	6	9	0.74	.52	.439	.401	.389				
689-VP0104N3-G	VP0104N3-G	TO-92	Yes	-40	-1.5	-3.5	8	-0.5	45	4	8	1	.64	.539	.489	.477				
◆ 689-TP0610T-G	TP0610T-G	SOT-23-3	Yes	-60	-1	-2.4	10	-0.05	60	10	15	0.36	.49	.41	.38	.36				
† 689-TP0606N3-G	TP0606N3-G	TO-92	Yes	-60	-1	-2.4	3.5	-1.5	80	10	20	1	.74	.615	.565	.539				
689-VP2106N3-G	VP2106N3-G	TO-92	Yes	-60	-1.5	-3.5	12	-0.5	45	5	9	0.74	.42	.351	.326	.322				
689-VP0106N3-G	VP0106N3-G	TO-92	Yes	-60	-1.5	-3.5	8	-0.5	45	4	8	1	.66	.552	.514	.489				
689-VP2206N3-G	VP2206N3-G	TO-92	Yes	-60	-1	-3.5	0.9	-4	325	15	50	1	1.37	1.14	1.05	1.01				
689-VP0808L-G	VP0808L-G	TO-92	Yes	-80	-1	-4.5	5	-1.1	150	15	30	1	1.03	.85	.79	.76				
689-VP0109N3-G	VP0109N3-G	TO-92	Yes	-90	-1.5	-3.5	8	-0.5	45	4	8	1	.74	.615	.565	.539				
◆† 689-TP2510N8-G	TP2510N8-G	SOT-89-3	Yes	-100	-1	-2.4	3.5	-1.5	80	10	20	1.6	.82	.68	.63	.60				
◆ 689-VP2110K1-G	VP2110K1-G	SOT-23-3	Yes	-100	-1.5	-3.5	12	-0.5	45	5	9	0.74	.42	.35	.32	.31				
† 689-TP0620N3-G	TP0620N3-G	TO-92	Yes	-200	-1	-2.4	12	-0.75	85	10	20	1	.95	.79	.73	.70				
◆† 689-TP2520N8-G	TP2520N8-G	SOT-89-3	Yes	-200	-1	-2.4	12	-0.25	75	10	20	1.6	.91	.76	.70	.67				
◆† 689-TP2522N8-G	TP2522N8-G	SOT-89-3	Yes	-220	-1	-2.4	12	-0.25	75	10	20	1.6	.93	.77	.72	.69				
◆† 689-TP2424N8-G	TP2424N8-G	SOT-89-3	Yes	-240	-1	-2.4	8	-0.8	200	20	35	1.6	.95	.79	.73	.70				
† 689-TP2635N3-G	TP2635N3-G	TO-92	Yes	-350	-0.8	-2	15	-0.7	220	10	60	1	1.06	.88	.82	.78				
◆† 689-TP5335K1-G	TP5335K1-G	SOT-23-3	Yes	-350	-1	-2.4	30	-0.4	65	20	25	0.36	.61	.51	.47	.45				
† 689-TP2535N3-G	TP2535N3-G	TO-92	Yes	-350	-1	-2.4	25	-0.4	60	10	20	0.74	.91	.76	.70	.67				
◆† 689-TP2435N8-G	TP2435N8-G	SOT-89-3	Yes	-350	-1	-2.4	15	-0.8	200	15	25	1.6	.99	.82	.76	.73				
† 689-TP2640N3-G	TP2640N3-G	TO-92	Yes	-400	-0.8	-2	15	-0.7	220	10	60	1	1.10	.92	.85	.81				
† 689-TP2540N3-G	TP2540N3-G	TO-92	Yes	-400	-1	-2.4	25	-0.4	60	10	20	0.74	.95	.79	.73	.70				
◆† 689-TP2540N8-G	TP2540N8-G	SOT-89-3	Yes	-400	-1	-2.4	25	-0.4	60	10	20	1.6	1.05	.87	.80	.77				
◆† 689-TP2450N3-G	TP2450N3-G	TO-92	Yes	-500	-1.5	-3.5	30	-0.2	130	10	45	1	1.08	.90	.83	.80				
◆ 689-VP2450N8-G	VP2450N8-G	SOT-89-3	Yes	-500	-1.5	-3.5	30	-0.2	130	10	45	1.6	1.14	.95	.88	.84				
◆ 689-VP0550N3-G	VP0550N3-G	TO-92	Yes	-500	-2	-4.5	125	-0.1	40	10	15	1	1.18	.98	.91	.87				

SUPERTEX N-CHANNEL ENHANCEMENT-MODE MOSFETs

† Low Threshold

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package Type	RoHS Compliant	Drain-to-Source Breakdown Voltage BV _{DSS}	Gate Threshold Voltage		Drain-to-Source ON-State Resistance R _{DS(ON)}	ON-State Drain Current I _{D(ON)}	Input Capacitance C _{ISS}	Turn-ON/Turn-OFF Delay Time		Power Dissipation @ TA=25°C	Price Each							
					V _{GS(th)}					Max. (Ω)	Min. (A)		C _{ISS}	t _(ON)	t _(OFF)	W	1	100	500	1000
					Min. (V)	Max. (V)								Max. (ns)	Max. (ns)					
◆† 689-TN2501N8-G	TN2501N8-G	SOT-89-3	Yes	18	0.3	1	2.5	0.25	70	5	15	1.6	.82	.68	.63	.60				
† 689-TN0702N3-G	TN0702N3-G	TO-92	Yes	20	0.5	1	1.3	0.5	130	20	30	1	.76	.63	.58	.56				
689-VN0300L-G	VN0300L-G	TO-92	Yes	30	0.8	2.5	1.2	1	190	30	30	1	.76	.63	.58	.56				
† 689-TN0604N3-G	TN0604N3-G	TO-92	Yes	40	0.6	1.6	0.75	4	140	10	25	1	.70	.58	.54	.52				
◆† 689-TN2504N8-G	TN2504N8-G	SOT-89-3	Yes	40	0.6	1.6	1	4	70	10	25	1.6	.74	.62	.57	.55				
† 689-TN0104N3-G	TN0104N3-G	TO-92	Yes	40	0.6	1.6	1.8	2	50	5	9	1	.79	.52	.48	.476				
◆† 689-TN0104N8-G	TN0104N8-G	SOT-89-3	Yes	40	0.6	1.6	2	50	5	9	1.6	.76	.63	.58	.56					
689-VN0104N3-G	VN0104N3-G	TO-92	Yes	40	0.8	2.4	3	2	35	5	9	1	.52	.439	.401	.389				
689-VN3205N3-G	VN3205N3-G	TO-92	Yes	50	0.8	2.4	0.3	3	220	10	25	1	.89	.74	.69	.66				
◆ 689-VN3205N8-G	VN3205N8-G	SOT-89-3	Yes	50	0.8	2.4	0.3	3	220	10	25	1.6	.97	.81	.74	.71				
† 689-TN0606N3-G	TN0606N3-G	TO-92	Yes	60	0.6	2	1.5	3	100	6	16	1	.66	.552	.514	.489				
◆† 689-TN2106K1-G	TN2106K1-G	SOT-23-3	Yes	60	0.6	2	2.5	0.6	45	5	9	0.36	.34	.28	.26	.25				
† 689-TN2106N3-G	TN2106N3-G	TO-92	Yes	60	0.6	2	2.5	0.6	45	5	9	0.74	.45	.376	.351	.339				
689-TN0106N3-G	TN0106N3-G	TO-92	Yes	60	0.6	2	3	2	50	5	7	1	.66	.552	.514	.489				
689-VN2222LL-G	VN2222LL-G	TO-92	Yes	60	0.6	2.5	7.5	0.75	60	10	10	1	.36	.301	.291	.276				
689-VN0606L-G	VN0606L-G	TO-92	Yes	60	0.8	2	3	1.5	50	10	10	1	.80	.66	.61	.59				
689-VN0106N3-G	VN0106N3-G	TO-92	Yes	60	0.8	2.4	3	2	55	5	9	1	.55	.452	.426	.401				
689-VN2106N3-G	VN2106N3-G	TO-92	Yes	60	0.8	2.4	4	0.6	35	5	9	1	.33	.276	.263	.261				
689-VN10K3-G	VN10K3-G	TO-92	Yes	60	0.8	2.5	5	0.75	60	10	10	1	.40	.339	.313	.301				
689-2N7000-G	2N7000-G	TO-92	Yes	60	0.8	3.0	5.3	0.75	60	10	10	1	.27	.22	.21	.208				
◆ 689-2N7002-G	2N7002-G	SOT-23-3	Yes	60	1	2.5	7.5	0.5	50	20	20	0.36	.34	.28	.26	.25				
689-VN0808L-G	VN0808L-G	TO-92	Yes	80	0.8	2	4	1.5	50	10	10	1	.80	.66	.61	.59				
† 689-TN0610N3-G	TN0610N3-G	TO-92	Yes	100	0.6	2	1.5	3	100	6	16	1	.85	.57	.53	.513				
◆† 689-TN2510N8-G	TN2510N8-G	SOT-89-3	Yes	100	0.6	2	1.5	3	70	10	20	1.6	.72	.60	.55	.53				
† 689-TN0110N3-G	TN0110N3-G	TO-92	Yes	100	0.6	2	3	2	50	5	7	1	.79	.52	.48	.476				
689-VN2210N3-G	VN2210N3-G	TO-92	Yes	100	0.8	2.4	0.35	8	300	15	65	1	1.33	1.11	1.02	.98				
◆ 689-VN2110K1-G	VN2110K1-G	SOT-23-3	Yes	100	0.8	2.4	4	0.6	35	5	9	0.36	.34	.28	.26	.25				
689-VN1206L-G	VN1206L-G	TO-92	Yes	120	0.8	2	6	1	125	8	18	1	1.08	.90	.83	.80				
† 689-TN0620N3-G	TN0620N3-G	TO-92	Yes	200	0.6	1.6	6	1	110	10	20	1	.87	.73	.67	.64				
◆† 689-TD9944TG-G	TD9944TG-G	SOIC-8	Yes	240	0.6	2	6	1	65	10	20	- - -	1.71	1.42	1.31	1.26				
◆† 689-TN2524N8-G	TN2524N8-G	SOT-89-3	Yes	240	0.6	2	6	1	65	10	20	1.6	.82	.68	.63	.60				
689-VN2406L-G	VN2406L-G	TO-92	Yes	240	0.8	2	6	1	125	8	23	1	.99	.82	.76	.73				