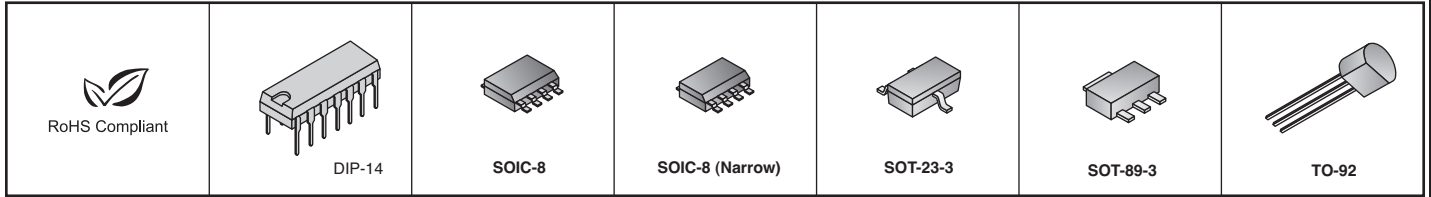


SUPERTEX Enhancement-Mode MOSFETs



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



MOSFETs

SUPERTEX P-CHANNEL ENHANCEMENT-MODE MOSFETs

◆ Surface Mount Device

† Low Threshold

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package Type	RoHS Compliant	Drain-to-Source Breakdown Voltage		Gate Threshold Voltage		Drain-to-Source ON-State Resistance	ON-State Drain Current	Input Capacitance	Turn-ON/ Turn-OFF Delay Time		Power Dissipation @ TA=25°C	Price Each			
				BV _{DSS}	V _{GS(th)}	R _{DS(ON)}	I _{D(ON)}				C _{ISS}	t _(ON)		t _(OFF)	1	100	500
				Min. (V)	Min. (V) Max. (V)	Max. (Ω)	Min. (A)	(pF)	Max. (ns)	Max. (ns)	(W)						
† 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	.99	.82	.76	.73		
◆ 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	.42	.35	.32	.31		
689-VP0104N3-G	VP0104N3-G	TO-92	Yes	-40	-1.5 -3.5	8	-0.5	45	4	8	1	.51	.43	.39	.38		
◆ 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	.59	.49	.45	.43		
689-VP2106N3-G	VP2106N3-G	TO-92	Yes	-60	-1.5 -3.5	12	-0.5	45	5	9	0.74	.34	.28	.26	.257		
689-VP0106N3-G	VP0106N3-G	TO-92	Yes	-60	-1.5 -3.5	8	-0.5	45	4	8	1	.53	.44	.41	.39		
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	1.5	-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	.59	.49	.45	.43		
◆ 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-TP2640LG-G	TP2640LG-G	SOIC-8 (N)	Yes	-400	-0.8 -2	15	-0.7	220	10	60	1.3	1.33	1.11	1.02	.98		
† 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-VP2450N3-G	VP2450N3-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

SUPERTEX N-CHANNEL ENHANCEMENT-MODE MOSFETs

† Low Threshold

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package Type	RoHS Compliant	Drain-to-Source Breakdown Voltage		Gate Threshold Voltage		Drain-to-Source ON-State Resistance	ON-State Drain Current	Input Capacitance	Turn-ON/ Turn-OFF Delay Time		Power Dissipation @ TA=25°C	Price Each			
				BV _{DSS}	V _{GS(th)}	R _{DS(ON)}	I _{D(ON)}				C _{ISS}	t _(ON)		t _(OFF)	1	100	500
				Min. (V)	Min. (V) Max. (V)	Max. (Ω)	Min. (A)	(pF)	Max. (ns)	Max. (ns)	(W)						
◆ 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	2	50	5	9	1	.63	.52	.48	.46			
◆ 689-TN0104N8-G	TN0104N8-G	SOT-89-3	Yes	40	0.6 1.6	2	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	.42	.35	.32	.31		
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	.53	.44	.41	.39		
◆ 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	.36	.30	.28	.27		
† 689-TN0106N3-G	TN0106N3-G	TO-92	Yes	60	0.6 2	3	2	50	5	7	1	.53	.44	.41	.39		
689-VN2222LL-G	VN2222LL-G	TO-92	Yes	60	0.6 2.5	7.5	0.75	60	10	10	1	.29	.24	.232	.22		
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	.44	.36	.34	.32		
689-VN2106N3-G	VN2106N3-G	TO-92	Yes	60	0.8 2.4	4	0.6	35	5	9	1	.27	.22	.21	.208		
689-VN10KN3-G	VN10KN3-G	TO-92	Yes	60	0.8 2.5	5	0.75	60	10	10	1	.32	.27	.25	.24		
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	.68	.57	.53	.50		
◆ 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	.63	.52	.48	.46		
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		

