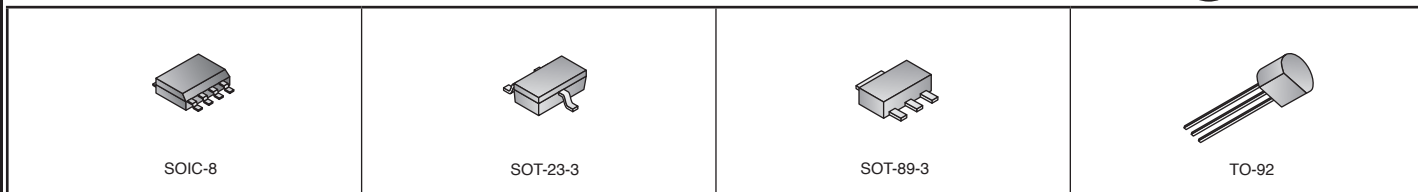


# MICROCHIP Enhancement-Mode MOSFETs



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

MOSFETS



◆ Surface Mount Device

## P-CHANNEL ENHANCEMENT-MODE MOSFETS

† Low Threshold

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package Type	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 <sub>DSS</sub>	V <sub>GS(th)</sub>		R <sub>DS(on)</sub>	I <sub>D(on)</sub>	C <sub>ISS</sub>	t <sub>(ON)</sub>			t <sub>(OFF)</sub>	1		10	25	100	
			Min. (V)	Min. (V)	Max. (V)	Max. (Ω)	Min. (A)	(pF)	Max. (ns)	Max. (ns)	(W)							
† 689-LP0701N3-G	LP0701N3-G	TO-92	-16.5	0.5	-1	1.5	-1.25	120	20	30	1	1.64	1.37	1.14	1.04			
◆† 689-TP2502N8-G	TP2502N8-G	SOT-89-3	-20	-1	-2.4	2	-2	100	10	15	1.6	1.43	1.19	.99	.90			
689-VP3203N3-G	VP3203N3-G	TO-92	-30	-1	-3.5	0.6	-4	220	10	25	0.74	1.64	1.37	1.14	1.04			
◆† 689-TP2104K1-G	TP2104K1-G	SOT-23-3	-40	-1	-2	6	-0.6	45	6	9	0.36	.73	.61	.51	.46			
† 689-TP2104N3-G	TP2104N3-G	TO-92	-40	-1	-2	6	-0.6	45	6	9	0.74	.70	.58	.48	.44			
689-VP0104N3-G	VP0104N3-G	TO-92	-40	-1.5	-3.5	8	-0.5	45	4	8	1	.85	.71	.59	.54			
◆ 689-TP0610T-G	TP0610T-G	SOT-23-3	-60	-1	-2.4	10	-0.05	60	10	15	0.36	.83	.69	.57	.52			
† 689-TP0606N3-G	TP0606N3-G	TO-92	-60	-1	-2.4	3.5	-1.5	80	10	20	1	.98	.82	.68	.62			
689-VP2106N3-G	VP2106N3-G	TO-92	-60	-1.5	-3.5	12	-0.5	45	5	9	0.74	.58	.48	.40	.36			
689-VP0106N3-G	VP0106N3-G	TO-92	-60	-1.5	-3.5	8	-0.5	45	4	8	1	.89	.74	.62	.56			
689-VP2206N3-G	VP2206N3-G	TO-92	-60	-1	-3.5	0.9	-4	325	15	50	1	2.28	1.90	1.58	1.44			
689-VP0808L-G	VP0808L-G	TO-92	-80	-1	-4.5	5	-1.1	150	15	30	1	1.72	1.43	1.19	1.08			
689-VP0109N3-G	VP0109N3-G	TO-92	-90	-1.5	-3.5	8	-0.5	45	4	8	1	.98	.82	.68	.62			
◆† 689-TP2510N8-G	TP2510N8-G	SOT-89-3	-100	-1	-2.4	3.5	-1.5	80	10	20	1.6	1.37	1.14	.95	.86			
◆† 689-VP2110K1-G	VP2110K1-G	SOT-23-3	-100	-1.5	-3.5	12	-0.5	45	5	9	0.74	.70	.58	.48	.44			
† 689-TP0620N3-G	TP0620N3-G	TO-92	-200	-1	-2.4	12	-0.75	85	10	20	1	1.58	1.32	1.10	1.00			
◆† 689-TP2520N8-G	TP2520N8-G	SOT-89-3	-200	-1	-2.4	12	-0.25	75	10	20	1.6	1.52	1.27	1.06	.96			
◆† 689-TP2522N8-G	TP2522N8-G	SOT-89-3	-220	-1	-2.4	12	-0.25	75	10	20	1.6	1.55	1.29	1.08	.98			
◆† 689-TP2424N8-G	TP2424N8-G	SOT-89-3	-240	-1	-2.4	8	-0.8	20	20	35	1.6	1.58	1.32	1.10	1.00			
† 689-TP2635N3-G	TP2635N3-G	TO-92	-350	-0.8	-2	15	-0.7	220	10	60	1	1.78	1.48	1.23	1.12			
◆† 689-TP5335K1-G	TP5335K1-G	SOT-23-3	-350	-1	-2.4	30	-0.4	65	20	25	0.36	1.02	.85	.70	.64			
† 689-TP2535N3-G	TP2535N3-G	TO-92	-350	-1	-2.4	25	-0.4	60	10	20	0.74	1.52	1.27	1.06	.96			
† 689-TP2640N3-G	TP2640N3-G	TO-92	-400	-0.8	-2	15	-0.7	220	10	60	1	1.84	1.53	1.28	1.16			
† 689-TP2540N3-G	TP2540N3-G	TO-92	-400	-1	-2.4	60	-0.4	60	10	20	0.74	1.58	1.32	1.10	1.00			
◆† 689-TP2540N8-G	TP2540N8-G	SOT-89-3	-400	-1	-2.4	25	-0.4	60	10	20	1.6	1.74	1.45	1.21	1.10			
689-VP2450N3-G	VP2450N3-G	TO-92	-500	-1.5	-3.5	30	-0.2	130	10	45	1	1.81	1.51	1.25	1.14			
◆ 689-TP2450N8-G	TP2450N8-G	SOT-89-3	-500	-1.5	-3.5	30	-0.2	130	10	45	1.6	1.90	1.58	1.32	1.20			
689-VP0550N3-G	VP0550N3-G	TO-92	-500	-2	-4.5	125	-0.1	40	10	15	1	1.97	1.64	1.36	1.24			

## N-CHANNEL ENHANCEMENT-MODE MOSFETS

† Low Threshold

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MOUSER STOCK NO.	Supertex Part No.	Package Type	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 <sub>DSS</sub>	V <sub>GS(th)</sub>		R <sub>DS(on)</sub>	I <sub>D(on)</sub>	C <sub>ISS</sub>	t <sub>(ON)</sub>			t <sub>(OFF)</sub>	1		10	25	100	
			Min. (V)	Min. (V)	Max. (V)	Max. (Ω)	Min. (A)	(pF)	Max. (ns)	Max. (ns)	(W)							
◆† 689-TN2501N8-G	TN2501N8-G	SOT-89-3	18	0.3	1	2.5	0.25	70	5	15	1.6	1.37	1.14	.95	.86			
† 689-TN0702N3-G	TN0702N3-G	TO-92	20	0.5	1	1.3	0.5	130	20	30	1	1.27	1.06	.88	.80			
689-VN0300L-G	VN0300L-G	TO-92	30	0.8	2.5	1.2	1	190	30	30	1	1.27	1.06	.88	.80			
† 689-TN0604N3-G	TN0604N3-G	TO-92	40	0.6	1.6	0.75	4	140	10	25	1	1.18	.98	.81	.74			
◆† 689-TN2504N8-G	TN2504N8-G	SOT-89-3	40	0.6	1.6	1	4	70	10	25	1.6	1.24	1.03	.86	.78			
† 689-TN0104N3-G	TN0104N3-G	TO-92	40	0.6	1.6	1.8	2	50	5	9	1	1.04	.87	.73	.66			
◆† 689-TN0104N8-G	TN0104N8-G	SOT-89-3	40	0.6	1.6	2	2	50	5	9	1.6	1.27	1.06	.88	.80			
689-VN0104N3-G	VN0104N3-G	TO-92	40	0.8	2.4	3	2	35	5	9	1	.70	.58	.48	.44			
689-VN3205N3-G	VN3205N3-G	TO-92	50	0.8	2.4	0.3	3	220	10	25	1	1.49	1.24	1.03	.94			
◆ 689-VN3205N8-G	VN3205N8-G	SOT-89-3	50	0.8	2.4	0.3	3	220	10	25	1.6	1.62	1.35	1.12	1.02			
† 689-TN0606N3-G	TN0606N3-G	TO-92	60	0.6	2	1.5	3	100	6	16	1	.89	.74	.62	.56			
◆† 689-TN2106K1-G	TN2106K1-G	SOT-23-3	60	0.6	2	2.5	0.6	45	5	9	0.36	.58	.48	.40	.36			
† 689-TN2106N3-G	TN2106N3-G	TO-92	60	0.6	2	2.5	0.6	45	5	9	0.74	.60	.50	.42	.38			
689-TN0106N3-G	TN0106N3-G	TO-92	60	0.6	2	3	2	50	5	7	1	.89	.74	.62	.56			
689-VN2222LL-G	VN2222LL-G	TO-92	60	0.6	2.5	7.5	0.75	60	10	10	1	.48	.40	.33	.30			
689-VN0606L-G	VN0606L-G	TO-92	60	0.8	2	3	1.5	50	10	10	1	1.33	1.11	.92	.84			
689-VN0106N3-G	VN0106N3-G	TO-92	60	0.8	2.4	3	2	55	5	9	1	.73	.61	.51	.46			
689-VN2106N3-G	VN2106N3-G	TO-92	60	0.8	2.4	4	0.6	35	5	9	1	.44	.37	.31	.28			
689-VN10KN3-G	VN10KN3-G	TO-92	60	0.8	2.5	5	0.75	60	10	10	1	.54	.45	.37	.34			
689-2N7000-G	2N7000-G	TO-92	60	0.8	3.0	5.3	0.75	60	10	10	1	.44	.37	.31	.28			
◆ 689-2N7002-G	2N7002-G	SOT-23-3	60	1	2.5	7.5	0.5	50	20	20	0.36	.58	.48	.40	.36			
689-VN0808L-G	VN0808L-G	TO-92	80	0.8	2	4	1.5	50	10	10	1	1.33	1.11	.92	.84			
† 689-TN0610N3-G	TN0610N3-G	TO-92	100	0.6	2	1.5	3	100	6	16	1	1.14	.95	.79	.72			
◆† 689-TN2510N8-G	TN2510N8-G	SOT-89-3	100	0.6	2	1.5	3	70	10	20	1.6	1.20	1.00	.84	.76			
† 689-TN0110N3-G	TN0110N3-G	TO-92	100	0.6	2	3	2	50	5	7	1	1.04	.87	.73	.66			
689-VN2210N3-G	VN2210N3-G	TO-92	100	0.8	2.4	0.35	8	300	15	65	1	2.22	1.85	1.54	1.40			
◆ 689-VN2110K1-G	VN2110K1-G	SOT-23-3	100	0.8	2.4	4	0.6	35	5	9	0.36	.58	.48	.40	.36			
689-VN1206L-G	VN1206L-G	TO-92	120	0.8	2	6	1	125	8	18	1	1.81	1.51	1.25	1.14			
† 689-TN0620N3-G	TN0620N3-G	TO-92	200	0.6	1.6	6	1	110	10	20	1	1.45	1.21	1.01	.92			
◆† 689-TD9944TG-G	TD9944TG-G	SOIC-8	240	0.6	2	6	1	65	10	20	---	1.52	1.40	1.17	1.06			
◆† 689-TN2524N8-G	TN2524N8-G	SOT-89-3	240	0.6	2	6	1	65	10	20	1.6	1.37	1.14	.95	.86			
689-VN2406L-G	VN2406L-G	TO-92	240	0.8	2	6	1	125	8	23	1	1.64	1.37	1.14	1.04			