

MOSFETs

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MOSFETs



FAMILY	I _D *T _L =25°C (A)	BV _{DSS} (V) MIN	r _{DS(ON)} @ V _{GS}		V _{GS(th)} (V) MIN MAX		C _{iss} (pF) †TYP MAX	C _{rss} (pF) †TYP MAX	C _{oss} (pF) †TYP MAX	Q _{g(tot)} (nC) †TYP MAX	t _{on} (ns) †TYP MAX	t _{off} (ns) †TYP MAX	Tiny Leadless Module™		
			(Ω) MAX	(V)	(V)	(V)							TLM621  2.15 x 1.15 x 0.8	TLM621H  2.15 x 1.65 x 0.4	TLM832DS  3.05 x 2.05 x 1.05

Devices are listed in order of ascending I_D.

E

E














7001	0.1	20	3.0	4.0	0.6	0.9	†9.0	†4.0	†9.5	†0.566	†50	†75			
7002	0.115	60	7.5	10	1.0	2.5	50	5.0	25	†0.592	20	20			
3590	0.16	20	3.0	4.5	0.4	1.0	†9.0	†2.2	3.0	†0.458	†25	†85			
7002A	0.28	60	2.0	10	1.0	2.5	50	5.0	25	†0.592	20	20	CTLDM7002A-M621	CTLDM7002A-M621H (2x)	
7002AE	0.3	60	1.4	10	1.2	2.0	50	5.0	25	†0.5	20	45			
7003E	0.28	50	2.3	1.8	0.49	1.2	50	5.0	25	†0.764	-	-			
7003TG	0.28	50	2.3	1.8	0.7	1.2	50	5.0	25	†0.764	-	-			
7003	0.28	50	3.0	1.8	0.49	1.0	50	5.0	25	†0.764	-	-	CTLDM7003-M621 (2x)		
3737	0.54	20	0.55	4.5	0.45	1.0	150	20	25	†1.58	†10	†25			
7005	0.65	20	0.23	4.5	0.5	1.1	†100	†18	†18	†1.58	†10	†25			
7120	1.0	20	0.14	2.5	0.5	1.2	†220	†45	†120	†2.4	†25	†140		CTLDM7120-M621H	CTLDM7120-M832DS (2x)
7120TG	1.0	20	0.25	1.5	0.5	0.85	†220	†45	†120	†2.4	†25	†140			
7002AHC	1.0	63	0.22	10	1.2	2.3	240	25	50	†2.3	35	50			
7004	*1.78	30	0.56	2.5	0.5	1.0	†43	†5.0	†8.0	†0.792	†20	†75			
1002N	2.0	100	0.30	10	1.5	2.5	†550	†48	†45	†6.0	†32	†50			
1003N	3.0	100	0.15	10	2.0	4.0	†705	†55	80	†15	†40	†60			
3-800	3.0	800	4.8	10	2.0	4.0	†415	†1.5	†44	†11.3	†33	†50			
203NH	3.2	20	0.05	4.5	0.6	1.2	†395	†44	†97	10	†6.0	†22.8			
303N	3.6	30	0.04	4.5	0.6	1.2	†590	†55	†50	13	†15	†29			CTLDM303N-M832DS (2x)
303NH	3.6	30	0.04	4.5	0.6	1.2	†590	†55	†50	13	†15	†29			
4-600LR	4.0	600	0.95	10	2.0	4.0	†328	†1.31	†26	†11.59	†32	†57			
4-650	4.0	650	2.7	10	2.0	4.0	†463	†1.0	†60	†11.4	†32	†44			
6053N	5.3	60	0.041	10	1.0	3.0	†920	†53	†49	†8.8	†33	†42			
305N	5.8	30	0.03	10	1.0	3.0	560	54	†52	†4.2	†6.5	†8.5			
4060N	6.0	40	0.031	10	1.0	3.0	†730	†64	†58	†12	†27	†33			
3069N	6.9	30	0.03	10	0.7	1.4	†580	†47	†42	†11	†20	†28			
7-600LR	7.0	600	0.58	10	2.0	4.0	†440	†1.94	†33	†14.5	†35	†70			
7-650	7.0	650	1.5	10	2.88	4.0	†754	†0.8	†97	†16.8	†42	†66			
7-700LR	7.0	700	0.60	10	2.0	4.0	†561	†2.45	†26.9	†18.8	†44	†87			
3011N	11	30	0.02	10	1.0	3.0	†860	†100	†120	†6.3	†20	†30			

E Indicates Enhanced Specification Device. Enhanced Spec in Red and Bold

Indicates Sorted Columns.



Package dimensions shown are maximum values in mm.

SOT-953	SOT-963	SOT-883VL	SOT-883L	SOT-523	SOT-563	SOT-23	SOT-23F	SOT-26	SOT-89	SOIC-8	SOT-223	DPAK
 1.05 x 1.05 x 0.5	 1.05 x 1.05 x 0.5	 1.05 x 0.65 x 0.32	 1.05 x 0.65 x 0.4	 1.7 x 1.7 x 0.78	 1.7 x 1.7 x 0.6	 3.05 x 2.49 x 1.09	 3.0 x 2.5 x 1.0	 3.0 x 3.0 x 1.2	 4.7 x 4.5 x 1.7	 5.01 x 6.18 x 1.71	 6.7 x 7.3 x 1.8	 10.73 x 6.81 x 2.75

CMNDM7001		CEDM7001VL	CEDM7001	CMUDM7001								
						2N7002						
	CMRDM3590 (2x)											
					CMLDM7002A CMLDM7002AJ (2x)	CMPDM7002A		CMXDM7002A (2x)				
			CEDM7002AE			CMPDM7002AE						
					CMLDM7003E CMLDM7003JE (2x)							
					CMLDM7003TG (2x)							
					CMLDM7003 CMLDM7003J (2x)	CMPDM7003						
					CMLDM3737 (2x)							
				CMUDM7005	CMLDM7005 CMLDM7005R (2x)							
					CMLDM7120G	CMPDM7120G						
					CMLDM7120TG							
						CMPDM 7002AHC						
		CEDM7004VL	CEDM7004	CMUDM7004								
									CXDM1002N			
											CZDM1003N	
												CDM3-800
							CMPDM203NH					
												CDM4-600LR
												CDM4-650
										CXDM6053N		
											CWDM305N CWDM305ND (2x)	
									CXDM4060N			
									CXDM3069N			
												CDM7-600LR
												CDM7-650
												CDM7-700LR
											CWDM3011N	

MOSFETs



FAMILY	I _D *T _L =25°C (A)	BV _{DSS} (V) MIN	r _{DS(ON)} (Ω) MAX	@ V _{GS} (V)	V _{GS(th)} (V)		C _{iss} (pF) †TYP MAX	C _{rss} (pF) †TYP MAX	C _{oss} (pF) †TYP MAX	Q _{g(tot)} (nC) †TYP MAX	t _{on} (ns) †TYP MAX	t _{off} (ns) †TYP MAX	TLM621	TLM621H
					MIN	MAX								














Devices are listed in order of ascending I_D.

P-Channel	8001	0.1	20	8.0	4.0	0.6	1.1	†45	†15	†15	†0.658	†35	†80		
	7590	0.14	20	5.0	4.5	0.4	1.0	†10	†4.0	†3.7	†0.50	†35	†100		
	8002A	0.28	50	3.0	5.0	1.0	2.5	70	7.0	15	†0.72	20	20	CTLDM8002A-M621	CTLDM8002A-M621H (2x)
	5757	0.43	20	0.9	4.5	0.45	1.0	175	20	30	†1.2	†38	†48		
	8004	0.45	30	2.0	2.5	0.5	1.0	55	10	15	†0.88	-	-		
	8005	0.65	20	0.36	4.5	0.5	1.0	†100	†25	†21	†1.2	†38	†48		
	8120	0.86	20	0.2	2.5	0.45	1.0	†200	†80	†60	†3.56	†20	†25		CTLDM8120-M621H
	8120TG	0.86	20	0.24	1.8	0.45	0.85	†200	†80	†60	†3.56	†20	†25		
	202PH	2.3	20	0.088	5.0	0.6	1.4	†800	†85	†75	12	†25	†48		
	302PH	2.4	30	0.091	4.5	0.7	1.4	†800	†69	†62	9.6	†12	†17		
	304P	4.2	30	0.070	10	0.7	1.3	†760	†53	†50	†64	†40	†75		
	305P	5.3	30	0.072	10	1.0	3.0	†500	†50	150	†7.0	†7.0	†8.0		
	4060P	6.0	40	0.065	10	1.0	3.0	†750	†61	†56	†6.5	†18	†64		
3011P	11	30	0.020	10	1.0	3.0	†3100	†450	†320	†80	†49	†330			
N-Channel & P-Channel	3590 (N-Channel)	0.16	20	3.0	4.5	0.4	1.0	†9.0	†2.2	†3.0	†0.458	†25	†85		
	+ 7590 (P-Channel)	0.14	20	5.0	4.5	0.4	1.0	†10	†4.0	†3.7	†0.50	†35	†100		
	7002A (N-Channel)	0.28	60	2.0	10	1.0	2.5	50	5.0	25	†0.592	20	20		
	+ 8002A (P-Channel)	0.28	50	3.0	5.0	1.0	2.5	70	7.0	15	†0.72	20	20		
	7120 (N-Channel)	1.0	20	0.14	2.5	0.5	1.2	†220	†45	†120	†2.4	†25	†140		
	+ 8120 (P-Channel)	0.86	20	0.2	2.5	0.45	1.0	†200	†80	†60	†3.56	†20	†25		
	3737 (N-Channel)	0.54	20	0.55	4.5	0.45	1.0	150	20	25	†1.58	†10	†25		
	+ 5757 (P-Channel)	0.43	20	0.9	4.5	0.45	1.0	175	20	30	†1.2	†38	†48		
	7004 (N-Channel)	*1.78	30	0.56	2.5	0.5	1.0	†43	†5.0	15	†0.792	†20	†75		
	+ 8004 (P-Channel)	0.45	30	2.0	2.5	0.5	1.0	55	10	15	†0.88	-	-		
7005 (N-Channel)	0.65	20	0.23	4.5	0.5	1.1	†100	†18	16	†1.58	†10	†25			
+ 8005 (P-Channel)	0.65	20	0.36	4.5	0.5	1.0	†100	†25	21	†1.2	†38	†48			

Indicates Sorted Columns.

Tiny Leadless Module™

Package dimensions shown are maximum values in mm.

TLM832D	TLM832DS	SOT-953	SOT-963	SOT-883VL	SOT-883L	SOT-523	SOT-563	SOT-363	SOT-23	SOT-23F	SOT-89	SOIC-8
												
3.1 x 2.1 x 1.0	3.05 x 2.05 x 1.05	1.05 x 1.05 x 0.5	1.05 x 1.05 x 0.5	1.05 x 0.65 x 0.32	1.05 x 0.65 x 0.4	1.7 x 1.7 x 0.78	1.7 x 1.7 x 0.6	2.2 x 2.3 x 1.1	3.05 x 2.49 x 1.09	3.0 x 2.5 x 1.0	4.7 x 4.5 x 1.7	5.01 x 6.18 x 1.71

			CMNDM8001		CEDM8001VL	CEDM8001	CMUDM8001					
					CMRDM7590 (2x)							
									CMLDM8002A CMLDM8002AJ (2x)	CMPDM8002A		
									CMLDM5757 (2x)			
					CEDM8004VL	CEDM8004	CMUDM8004					
							CMUDM8005	CMLDM8005 (2x)	CMKDM8005 (2x)			
		CTLDM8120- M832DS (2x)						CMLDM8120		CMPDM8120		
								CMLDM8120TG				
										CMPDM202PH		
										CMPDM302PH		
		CTLDM304P- M832DS (2x)										
												CWDM305P CWDM305PD (2x)
											CXDM4060P	
												CWDM3011P
					CMRDM3575 (2x)							
									CMLM0708A (2x)			
		CTLDM7181- M832D (2x)										
									CMLDM3757 (2x)			
									CMLDM7484 (2x)			
									CMLDM7585 (2x)			

(2x) under part number indicates two devices in one package.