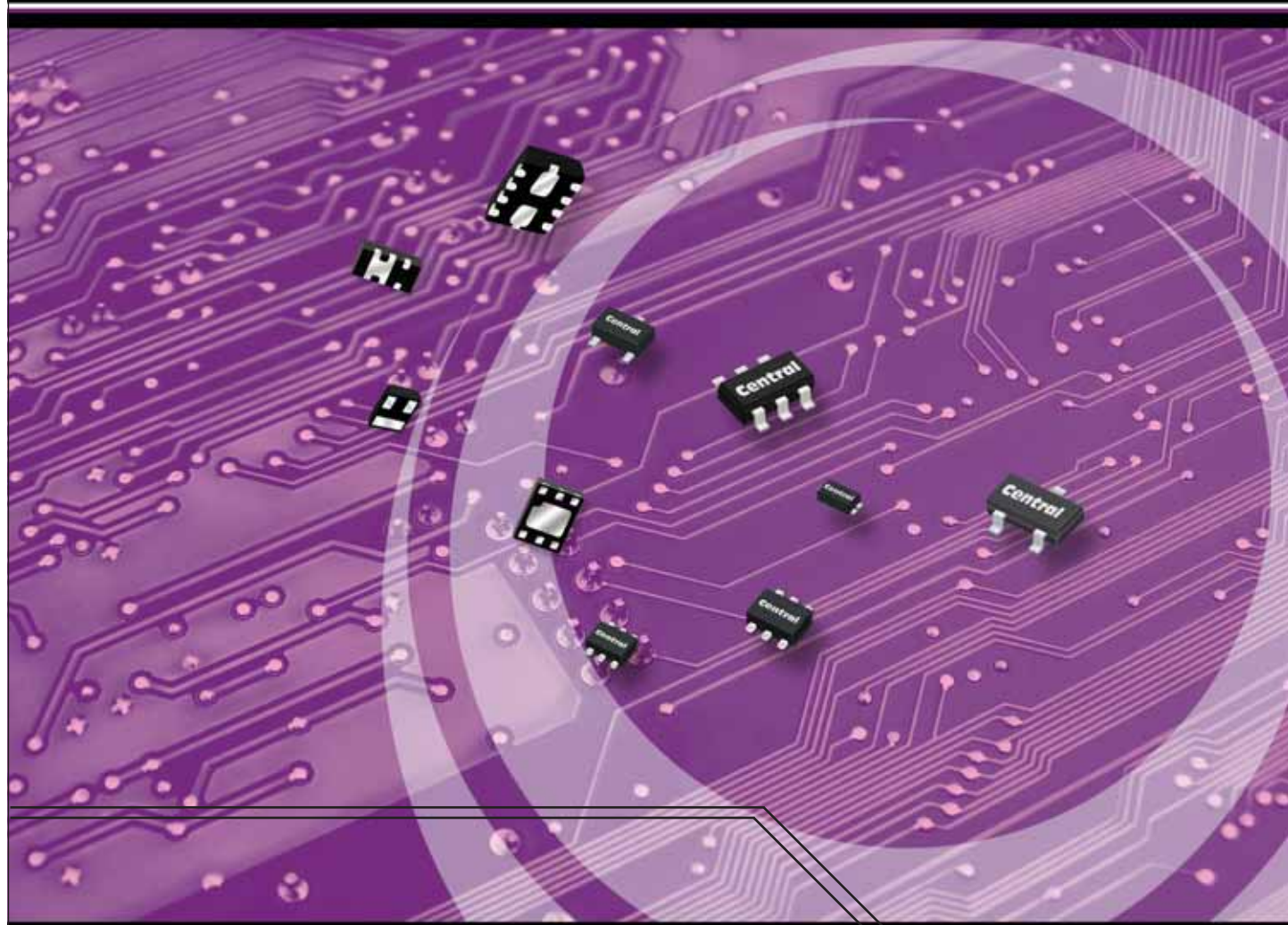


Small Signal MOSFETs Selection Guide



Central[™]
Semiconductor Corp.

Surface Mount Packages (Actual Size)



TLM[™] Tiny Leadless Module Bottom View



TLP[™] Tiny Leadless Package Bottom View



Central[™]
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Small Signal MOSFETs



Tiny Leadless Module™

NEW

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FAMILY	BV _{DSS} (V) MIN	I _D (A)	r _{DS(ON)} (Ω) MAX	@ I _D (A)	@ V _{GS} (V)	V _{GS(th)} (V)		C _{iss} (pF) †TYP MAX	C _{rss} (pF) †TYP MAX	t _{on} (ns) †TYP MAX	t _{off} (ns) †TYP MAX	FAMILY	TLM621	TLM621H	TLM832D	SOT-923	SOT-963	SOT-883L	SOT-523	SOT-563	SOT-23	SOT-26		
						MIN	MAX																	
N-Channel	3590	20	0.16	3.0	0.1	4.5	0.4	1.0	†9.0	†2.2	†40	†150	3590				*CMBDM3590	CMRDM3590 (2x)						
	E 7001E	20	0.1	2.0	0.1	4.0	0.6	0.9	-	-	-	-	7001E						*CEDM7001E					
	7001	20	0.1	3.0	0.01	4.0	0.6	0.9	†9.0	†4.0	†50	†75	7001						CEDM7001	CMUDM7001				
	7002	60	0.115	7.5	0.5	10	1.0	2.5	50	5.0	20	20	7002									2N7002		
	7002A	60	0.28	2.0	0.5	10	1.0	2.5	50	5.0	20	20	7002A	CTLDM7002A-M621	CTLDM7002A-M621H						CMLDM7002A CMLDM7002AJ (2x)	CMPDM7002A	CMXDM7002A (2x)	
	E 7003E	50	0.28	2.3	0.05	1.8	0.49	1.2	50	5.0	-	-	7003E								CMLDM7003E CMLDM7003JE (2x)			
	7003	50	0.28	3.0	0.05	1.8	0.49	1.0	50	5.0	-	-	7003	CTLDM7003-M621							CMLDM7003 CMLDM7003J (2x)	CMPDM7003		
	7120	20	1.0	0.14	0.5	2.5	0.5	1.2	†220	†45	†25	†140	7120		CTLDM7120-M621H	CTLDM7120-M832D (2x)						CMLDM7120G	CMPDM7120G	
7120TG	20	1.0	0.25	0.1	1.5	0.5	0.85	†220	†45	†25	†140	7120TG									CMLDM7120TG			
P-Channel	7590	20	0.14	5.0	0.1	4.5	0.4	1.0	†12	†1.0	†20	†112	7590				*CMBDM7590	*CMRDM7590 (2x)						
	8001	20	0.1	8.0	0.01	4.0	0.6	1.1	†45	†15	†35	†80	8001						CEDM8001	CMUDM8001				
	8002A	50	0.28	3.0	0.05	5.0	1.0	2.5	70	7.0	20	20	8002A	CTLDM8002A-M621	CTLDM8002A-M621H						CMLDM8002A CMLDM8002AJ (2x)	CMPDM8002A		
	8120	20	0.86	0.2	0.67	2.5	0.45	1.0	†200	†80	†20	†25	8120		CTLDM8120-M621H	CTLDM8120-M832D (2x)						CMLDM8120	CMPDM8120	
	8120TG	20	0.86	0.24	0.2	1.8	0.45	0.85	†200	†80	†20	†25	8120TG									CMLDM8120TG		
N-Channel & P-Channel	7002A (N-Channel) + 8002A (P-Channel)	60	0.28	2.0	0.5	10	1.0	2.5	50	5.0	20	20	7002A (N-Channel) + 8002A (P-Channel)										CMLM0708A (2x)	
	7120 (N-Channel) + 8120 (P-Channel)	20	1.0	0.14	0.5	2.5	0.5	1.2	†220	†45	†25	†140	7120 (N-Channel) + 8120 (P-Channel)			CTLDM7181-M832D (2x)								
	3590 (N-Channel) + 7590 (P-Channel)	20	0.16	3.0	0.1	4.5	0.4	1.0	†9.0	†2.2	†40	†150	3590 (N-Channel) + 7590 (P-Channel)										*CMRDM3575 (2x)	
		20	0.14	5.0	0.1	4.5	0.4	1.0	†12	†1.0	†20	†112												

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

* Under Development, Anticipated Release 2Q, 2009

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