

# MOSFET

- **Small Signal MOSFET**
  
- **High Voltage Power MOSFET**
  - High Voltage DMOS MOSFET
  - ESD Zener Protected MOSFET
  
- **Low Voltage Power MOSFET**
  - Low Voltage Trench MOSFET
  
- **Super Junction MOSFET**
  - Super Junction MOSFET

# MOSFET

## Product Designation Grade

### ■ MOSFET



① Designate "S" : Initial of AUK' s symbol letter "SUN"

② Product Classification

None	V
Normal MOSFET Product	Automotive Product

③ Technology Series

R	U	M	N	JM
R-Ver. DMOS Technology	U-Ver. DMOS Technology	M-Ver. DMOS Technology	Low Voltage Trench Technology	Super Junction Technology

④ Channel Polarity

N	P	A	B	C
N-Channel	P-Channel	Dual N-Channel	Dual P-Channel	N- & P- Channel

⑤ Current Rating

e.x.) 04 → 4A, 15 → 15A, Y3 → 0.3A

⑥ Special Feature @ Chip (optional)

L	F	U
Logic Level MOSFET	Fast Recovery Body Diode MOSFET	Ultra Fast Recovery
Z	K	R
ESD Protection Zener	Fast Recovery Body Diode + ESD Protection Zener	Ultra FR-FET + ESD Protection Zener

⑦ Breakdown Voltage Rating

: Breakdown voltage divided by 10 with the exception of non 10 multiplies



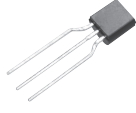
⑧ Special Feature @ PKG (optional)

W
PKG Damage Protection

⑨ PKG Code

F	FD	P	D	D2	B	I	IS	CI	無
TO-220F	TO-220F (D/G)	TO-220AB	TO-252	D2-PAK	D2-PAK (D/G)	I-PAK	I-PAK (S/L)	TO-3P	TO-92 SOP8

### Product Line up

$V_{DSS}$ [V]	$I_D$ [mA]	ESD [kV]	SOT-323	SOT-23	TO-92
					
60	300	±1	2N7002KU	2N7002K	
		±2	2N7002BU	2N7002B	
	500	±1			2N7000K
		±2			2N7000B
600	0.021			SRN127	






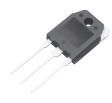
### Quick Reference

Part No	Maximum Ratings			Electrical Characteristics							Package
				$V_{GS(th)}$ [V]			$Q_g$ [nC]	$R_{DS(on)}$ [ $\Omega$ ]			
	$V_{DSS}$ [V]	$I_D$ [mA]	$P_D$ [mW]	Min	Max	@ $I_D$ [ $\mu$ A]		Max	@ $V_{GS}$	@ $I_D$	
							[V]		[mA]		
2N7002K	60	300	350	1	2.5	250	0.6	3	10	500	SOT-23
2N7002B	60	300	350	1	2.5	250	0.6	3	10	500	
2N7002KU	60	300	310	1	2.5	250	0.6	3	10	500	SOT-323
2N7002BU	60	300	310	1	2.5	250	0.6	3	10	500	
2N7000K	60	500	625	1	2.5	250	0.6	3	10	500	TO-92
2N7000B	60	500	625	1	2.5	250	0.6	3	10	500	
SRN127	600	0.021	350	1.4	2.6	250	1.7	500	10	16	SOT-23







# MOSFET

## HV Power MOSFET

### ■ Product Line up (HV: 200V ~ 900V)

V <sub>DSS</sub> [V]	I <sub>D</sub> [A]	SOT-223	TO-92	TO-220F	D2-PAK	TO-252	I-PAK(S)	TO-3P
								
200	0.85	SMN01L20Q						
200	3.2					SMN04L20D		
200	9			SMK630F		SMK630D SMN630LD SMN09L20D		
200	18			SMK1820F	SMK1820D2	SMK1820D		
200	3.2						SMN04L20IS	
250	8			SMK0825F	SMK0825D2	SMK0825D SMK0825DN		
250	16			SMK1625F	SMK1625D2			
300	0.2		SMNY2Z30					
300	1.3	SMN01Z30Q						
300	14			SMK1430F	SMK1430DI SVMN1430D2			
400	5.5			SMK730F SUN730F		SUN730D		
400	9					SUN09A40D		
400	10			SMK1040F				
500	2			SMN0250F				
500	4.5			SMK830F SUN830F SUN05A50F		SMK830DN SUN830D SUN05A50D		
500	8			SMK0850F SUN08A50F	SMK0850D2			
500	13			SMK1350F SUN13A50F				
500	18			SMN18T50FD				
500	20							SMK2050CI
500	24							SUN24A50CI
600	0.3	SMK0160						
600	1					SMK0160D	SMK0160I SMK0160IS	
600	2			SMK0260F SRN0260F		SMK0260D SRN0260D	SMK0260IS	

## ■ Product Line up (HV: 200V ~ 900V)

V <sub>DSS</sub> [V]	I <sub>D</sub> [A]	TO-92	TO-220F	D2-PAK	TO-252	I-PAK(S)	TO-3P
							
600	4		SMK0460F SRN0460F		SMK0460D SRN0460D	SMK0460IS	
600	5		SRN0560F		SRN0560D		
600	7		SMK0760F SRN0760F		SRN0760D		
600	10		SMK1060F SRN1060F	SMK1060D2 SVMN1060D2			
600	12		SMK1260F SRN1260F				
600	13		SMK1360FD				SMK1360CI
600	16		SRN1660F				
600	18		SRN1860F				
650	4		SMK0465F SRN0465F		SMK0465D SRN0465D	SMK0465IS	
650	5		SRN0565F		SRN0565D		
650	5.5		SMN0665F				
650	7		SMK0765F SRN0765F		SRN0765D		
650	9		SMK0965F SRN0965F				
650	12		SMK1265F SRN1265F				
700	0.3	SMK0170					
700	1					SMK0170I	
700	2		SMK0270F		SMK0270D	SMK0270IS	
700	4		SMN0470F				
700	8		SMK0870F				
800	3		SMN0380F		STK0380D	SMN03T80IS	
800	7		SMK0780F SMK0780FD				
800	10		SMK1080FD				
900	9		SMK0990FD				SMK0990CI

# MOSFET

## HV Power MOSFET

### ■ Quick Reference

Part No	Maximum Ratings			Electrical Characteristics						Package
				R <sub>DS(on)</sub> [Ω]			V <sub>GS(th)</sub> [V]		Qg [nC]	
	V <sub>DSS</sub> [V]	I <sub>b</sub> [A]	P <sub>D</sub> [W]	Max	@V <sub>GS</sub> [V]	@ I <sub>b</sub> [A]	Min	Max		
SMN01L20Q	200	0.85	2	1.35	10	0.425	1	2.25	4	SOT-223
SMN01Z30Q	300	1.3	2.1	8	10	0.65	1.5	2.5	2.9	
SMNY2Z30	300	0.2	0.6	8	10	0.1	1.5	2.5	2.9	TO-92
SMK0160	600	0.3	0.625	11.5	10	0.15	2	4	3.9	
SMK630F	200	9	30	0.4	10	4.5	2	4	12	TO-220F-3L
SMK1820F	200	18	35	0.17	10	9	2	4	22	
SMK0825F	250	8	29	0.43	10	4	2	4	14.5	
SMK1625F	250	16	35	0.27	10	8	2	4	22	
SMK1430F	300	14	35	0.29	10	7	3	5	24	
SMK730F	400	5.5	30	1	10	2.75	2	4	16	
SUN730F	400	5.5	28	1.05	10	2.75	2	4	14	
SMK1040F	400	10	32	0.53	10	5	2	4	28	
SMN0250F	500	2	29	3.4	10	1	3	5	7	
SMK830F	500	4.5	30	1.5	10	2.25	2	4	16	
SUN830F	500	4.5	29	1.5	10	2.25	2	4	12	
SUN05A50F	500	4.5	29	1.5	10	2.25	3	5	12	
SMK0850F	500	8	40	0.8	10	4	2	4	26	
SUN08A50F	500	8	32	0.8	10	4	3	5	18	
SMK1350F	500	13	40	0.48	10	6.5	2	4	36	
SMK1350FD	500	13	48	0.48	10	6.5	2	4	36	
SUN13A50F	500	13	40	0.48	10	6.5	3	5	30	
SMN1850FD	500	18	48	0.3	10	9	2	4	46	
SMK0260F	600	2	23	4.7	10	1	2	4	7	
SRN0260F	600	2	23	4.7	10	1	3	5	7.5	
SMK0460F	600	4	30	2.5	10	2	2	4	12	
SRN0460F	600	4	32	2.5	10	2	3	5	12	
SRN0560F	600	5	30	1.88	10	2.5	3	5	15	

## ■ Quick Reference

Part No	Maximum Ratings			Electrical Characteristics						Package
				$R_{DS(on)}$ [ $\Omega$ ]			$V_{GS(th)}$ [V]		Qg [nC]	
	$V_{DSS}$ [V]	$I_D$ [A]	$P_D$ [W]	Max	@ $V_{GS}$ [V]	@ $I_D$ [A]	Min	Max		
SMK0760F	600	7	30	1.2	10	3.5	2	4	23	TO-220F-3L
SRN0760F	600	7	32	1.2	10	3.5	3	5	21	
SMK1060F	600	10	40	0.75	10	5	2	4	35	
SRN1060F	600	10	32	0.75	10	5	3	5	33	
SMK1260F	600	12	45	0.65	10	6	2	4	41	
SRN1260F	600	12	32	0.65	10	6	3	5	38	
SMK1360FD	600	13	45	0.65	10	6.5	2	4	41	
SRN1660F	600	16	32	0.47	10	8	3	5	47	
SRN1860F	600	18	32	0.38	10	9	3	5	57	
SMK0465F	650	4	30	3	10	2	2	4	11.2	
SRN0465F	650	4	32	3	10	2	3	5	12	
SRN0565F	650	5	32	2.1	10	2.5	3	5	12	
SMN0665F	650	5.5	29	2.2	10	2.75	3	5	14	
SMK0765F	650	7	40	1.4	10	3.5	2	4	21	
SRN0765F	650	7	32	1.4	10	3.5	3	5	21	
SMK0965F	650	9	40	0.85	10	4.5	2	4	35	
SRN0965F	650	9	32	0.9	10	4.5	3	5	33	
SMK1265F	650	12	45	0.8	10	6	2	4	41	
SRN1265F	650	12	32	0.8	10	6	3	5	38	
SMK0270F	700	2	25	6.3	10	1	2	4	7.2	
SMN0470F	700	4	29	2.36	10	2	3	5	13	
SMK0870F	700	8	40	0.9	10	4	2	4	32	
SUN08A70F	700	8	32	1.05	10	4	3	5	33	
SMN0380F	800	3	28	4.2	10	1.5	2	4	19	
SMK0780F	800	7	35	1.6	10	3.5	3	5	40	
SMK0780FD	800	7	45	1.6	10	3.5	3	5	40	
SMK1080FD	800	10	48	1.1	10	5	3	5	58	
SMK0990FD	900	9	48	1.4	10	4.5	3	5	52	

# MOSFET

## HV Power MOSFET

### ■ Quick Reference

Part No	Maximum Ratings			Electrical Characteristics						Package
				R <sub>DS(on)</sub> [Ω]			V <sub>GS(th)</sub> [V]		Qg [nC]	
	V <sub>DSS</sub> [V]	I <sub>D</sub> [A]	P <sub>D</sub> [W]	Max	@V <sub>GS</sub> [V]	@ I <sub>D</sub> [A]	Min	Max		
SMN04L20D	200	3.2	33	1.35	10	1.6	1	2.25	4	TO-252
SMN09L20D	200	9	45	0.4	10	4.5	1	2.25	9	
SMK630D	200	9	45	0.4	10	4.5	2	4	12	
SMN630LD	200	9	45	0.4	10	4.5	1	2.5	12	
SMK1820D	200	18	70	0.17	10	9	2	4	22	
SMK0825D	250	8	48	0.43	10	4	2	4	14.5	
SMK0825DN	250	8	48	0.43	10	4	2	4	14.5	
SUN730D	400	5.5	55	1.05	10	2.75	2	4	20	
SUN09A40D	400	9	63	0.55	10	4.5	3	5	18	
SUN830D	500	4.5	48	1.5	10	2.25	2	4	12	
SMK830DN	500	4.5	48	1.5	10	2.25	2	4	16	
SUN05A50D	500	4.5	48	1.5	10	2.25	3	5	12	
SMK0160D	600	1	28	11.5	10	0.5	2	4	3.9	
SMK0260D	600	2	48	4.7	10	1	2	4	7	
SMK0260DN	600	2	48	4.7	10	1	2	4	7	
SRN0260D	600	2	48	4.7	10	1	3	5	7.5	
SMK0460D	600	4	48	2.5	10	2	2	4	12	
SMK0460DN	600	4	48	2.5	10	2	2	4	12	
SRN0460D	600	4	48	2.5	10	2	3	5	12	
SRN0760D	600	7	48	1.2	10	2	3	5	21	
SMK0465D	650	4	48	3	10	2	2	4	11.2	
SRN0465D	650	4	48	3	10	1	3	5	12	
SRN0565D	650	5	70	2.1	10	1.5	2	4	12	
SRN0765D	650	7	48	1.4	10	2	2	4	21	
SMK0270D	700	2	48	6.3	10	1	2	4	7.2	
STK0380D	800	3	70	4.2	10	1.5	2	4	19	



## ■ Quick Reference

Part No	Maximum Ratings			Electrical Characteristics						Package
				R <sub>DS(on)</sub> [Ω]			V <sub>GS(th)</sub> [V]		Q <sub>g</sub> [nC]	
	V <sub>DSS</sub> [V]	I <sub>D</sub> [A]	P <sub>D</sub> [W]	Max	@V <sub>GS</sub> [V]	@I <sub>D</sub> [A]	Min	Max		
SMN04L20IS	200	3.2	33	1.35	10	1.6	1	2.25	5	I-PAK (Short Lead)
SMK0160IS	600	1	28	11.5	10	0.5	2	4	3.9	
SMK0260IS	600	2	48	4.7	10	1	2	4	7	
SMK0465IS	650	4	48	3	10	2	2	4	11.2	
SMK0270IS	700	2	27	6.3	10	1	2	4	7.2	
SMN03T80IS	800	3	70	4.2	10	1.5	2	4	19	
SMK0160I	600	1	28	11.5	10	0.5	2	4	3.9	I-PAK
SMK0260I	600	2	48	4.7	10	1	2	4	7	
SMK0460I	600	4	48	2.5	10	2	2	4	12	
SMK0465I	650	4	48	3	10	2	2	4	11.2	
SMK0170I	700	1	28	15	10	0.5	2	4	4.1	
SMK0270I	700	2	27	6.3	10	1	2	4	7.2	
SMK1820D2	200	18	100	0.17	10	9	2	4	22	D2-PAK
SMK0825D2	250	8	130	0.43	10	4	2	4	14.5	
SMK1625D2	250	16	130	0.27	10	8	2	4	22	
SMK1430DI	300	14	140	0.29	10	7	3	5	24	
SVMN1430D2	300	14	140	0.29	10	7	3	5	24	
SMK0850D2	500	8	75	0.8	10	4	2	4	26	
SMK1060D2	600	10	130	0.75	10	5	2	4	35	
SVMN1060D2	600	10	130	0.75	10	5	2	4	35	
SMK2050CI	500	20	150	0.26	10	10	2	4	65	TO-3P
SUN24A50CI	500	24	290	0.2	10	12	2	4	90	
SMK1360CI	600	13	200	0.65	10	6.5	2	4	41	
SMK1090CI	900	9	130	1.4	10	4.5	3	5	52	

# MOSFET

## LV Power MOSFET

### ■ Product Line up

V <sub>DSS</sub> [V]	I <sub>D</sub> [A]	TESOP-8	TESOP-8M	DFN-8	SOP-8	TO-252	TO-220AB	SOT-23	SOT-223
									
20	3.2							STK001SF	
-20/-12	-3.9/-5			SUM201MN					
-20/-20	-3.9/-5			SUM202MN					
20	4.2							STK004SF	
30	3.6							STK003SF	
-20	-2.3							STJ001SF	
-30	-2.4							STJ004SF	
-30	-5.3				STJ009				
30/30	5.8/5.8				SUF1002				
-30/-30	-5.3/-5.3				SUF3001				
30/-30	5.8/-5.3				SUF2001				
30	33.5	SNN3530BNL SNN3530NL							
30	81	SNN1530NL							
30	108	SNN1830NL							
-40	-23					SNP400L04D			
40	4.5				SNN0540B				
60	23					SNN300L06D			
60	50						STK5006P		
60	70						STK7006P		
100	2.2	SNA3100L10NL	SNA3100L10NN						SNN3100L10Q
100	2.5								SNN1120L10Q
100	3.4					SNN3100L10D			
100	10	SNA1120L10NL							
100	14.6					SNN1000L10D			
100	45					SNN4510D			
100	49					SNN200L10D			

## ■ Quick Reference

Part No	Maximum Ratings			Electrical Characteristics						Package
				R <sub>DS(on)</sub> [mΩ]			V <sub>GS(th)</sub> [V]		Qg [nC]	
	V <sub>DSS</sub> [V]	I <sub>D</sub> [A]	P <sub>D</sub> [W]	Max	@V <sub>GS</sub> [V]	@ I <sub>D</sub> [A]	Min	Max		
STK001SF	20	3.2	0.35	50	4.5	1.6	0.6	1.2	6.8	SOT-23/F
STK004SF	20	4.2	0.35	40	4.5	2.1	0.6	1.2	4	
STK003SF	30	3.6	0.35	40	4.5	1.8	0.6	1.2	8.8	
STJ001SF	-20	-2.3	0.35	88	-4.5	-1.4	-0.6	-1.4	8	
STJ004SF	-30	-2.4	0.35	91	-4.5	-1.2	-0.7	-1.4	6.4	
STJ009	-30	-5.3	2	80	-4.5	-2.7	-1	-3	4.7	
SUF1002	30/30	5.8/5.8	2	34	5/5	2.9/2.9	1	3	4.2	
SUF3001	-30/-30	-5.3/-5.3	2	83	-5/-5	-2.7/-2.7	-1	-3	4.7	
SUF2001	30/-30	5.8/-5.3	2	34/83	5/-5	2.9/-2.7	1	3	4.2/4.7	
SNN0540B	40	4.5	1.2	43	10	4	1	2.5	8	
SUM201MN	-20/-20	-3.9/-5	1.3	60	-3.6	-1	-0.6	-1.2	9.7	DFN-8
SUM202MN	-20/-12	-3.9/-5	1.3	60	-3.6	-1	-0.6	-1.2	9.7	
STK5006P	60	50	95	22	10	25	2	4	26.7	TO-220AB
STK7006P	60	70	147	16	10	35	2	4	43	






# MOSFET

## LV Power MOSFET

### ■ Quick Reference

Part No.	Maximum Ratings			Electrical Characteristics					Package
				$R_{DS(on)}$ [mΩ]			$V_{GS(th)}$ [V]		
	$V_{DSS}$ [V]	$I_D$ [A]	$P_D$ [W]	Typ.	Max.	@ $I_D$ [A]	Min.	Max.	
SNN3530BNL	30	33.5	5	1.7	2.6	30	1.2	2.5	TESOP-8
SNN3530NL	30	33.5	5	-	3	30	1.2	2.5	
SNN1830NL	30	108	69	-	4	30	1.2	2.5	
SNN1530NL	30	81	59	-	5.5	30	1.2	2.5	
SNA3100L10NL	100	2.2	2.5	260	310	2	1	2.5	
SNA1120L10NL	100	10	2.5	95	120	1	1	2.5	
SNA3100L10NN	100	2.2	1.5	260	310	2	1	2.5	TESOP-8M
SNN300L06D	60	23	34.7	27	38	15	1.2	2.5	TO-252
SNP400L04D	-40	-23	31.3	-	40	-18	-1	-2.5	
SNN3100L10D	100	3.4	2	270	320	1	1	2.5	
SNN1000L10D	100	14.6	30	-	100	5	1.2	2.9	
SNN4510D	100	45	90	18	22	30	2	4	
SNN200L10D	100	49	83	20	24	7	1.2	2.5	
SNN3100L10Q	100	2.2	1.5	260	310	2	1	2.5	SOT-223
SNN1120L10Q	100	2.5	1.5	90	112	2	1	2.5	

## ■ Product Line up

$V_{DSS}$ [V]	$I_D$ [A]	TO-220F	TO-252	I-PAK	D2-PAK	TO-3P
						
600	5	SJMN60R850F	SJMN60R850D	SJMN60R850I		
	7	SJMN60R570F	SJMN60R570D	SJMN60R570I		
	11	SJMN60R38F SJMN60R380F	SJMN60R38D SJMN60R380D	SJMN60R38I SJMN60R380I		
	20	SJMN60R15F SJMN60R150F			SJMN60R15B SJMN60R150B	SJMN60R15CI SJMN60R150CI
650	7	SJMN65R570F	SJMN65R570D	SJMN65R570I		
	11	SJMN65R38F SJMN65R380F	SJMN65R38D SJMN65R380D	SJMN65R38I SJMN65R380I		
	20	SJMN65R15F SJMN65R150F			SJMN65R15B SJMN65R150B	SJMN65R15CI SJMN65R150CI
700	7	SJMN70R600F	SJMN70R600D	SJMN70R600I		
	11	SJMN70R420F	SJMN70R420D	SJMN70R420I		
	20	SJMN70R150F			SJMN70R150B	SJMN70R150CI
800	7	SJMN80R1K2F	SJMN80R1K2D	SJMN80R1K2I		
900	7	SJMN90R1K2F	SJMN90R1K2D	SJMN90R1K2I		

# MOSFET

## Super Junction MOSFET

### ■ Quick Reference

Part No.	Maximum Ratings			Electrical Characteristics					Package
				$R_{DS(on)}$ [ $\Omega$ ]			$V_{GS(th)}$ [V]	Qg [nC]	
	$V_{DSS}$ [V]	$I_D$ [A]	$P_D$ [W]	Typ.	Max.	@ $I_D$ [A]			
SJMN60R850F	600	5	32	0.70	0.85	2.5	2.5 to 4.5	7	TO-220F-3L
SJMN60R570F	600	7	32	0.54	0.57	3.5	2.5 to 4.5	18	
SJMN60R38F	600	11	32	0.34	0.38	5.5	2.5 to 4.5	28	
SJMN60R380F	600	11	32	0.34	0.38	5.5	2.5 to 4.5	22	
SJMN60R15F	600	20	32	0.12	0.15	10.0	2.5 to 4.5	62	
SJMN60R150F	600	20	32	0.12	0.15	10.0	2.5 to 4.5	50	
SJMN65R570F	650	7	32	0.54	0.57	3.5	2.5 to 4.5	18	
SJMN65R38F	650	11	32	0.34	0.38	5.5	2.5 to 4.5	28	
SJMN65R380F	650	11	32	0.34	0.38	5.5	2.5 to 4.5	22	
SJMN65R15F	650	20	32	0.12	0.15	10	2.5 to 4.5	62	
SJMN65R150F	650	20	32	0.12	0.15	10.0	2.5 to 4.5	50	
SJMN70R600F	700	7	32	0.56	0.60	3.5	2.5 to 4.5	18	
SJMN70R420F	700	11	32	0.40	0.42	5.5	2.5 to 4.5	22	
SJMN70R150F	700	20	32	0.12	0.15	5.5	2.5 to 4.5	62	
SJMN80R1K2F	800	7	32	1.00	1.20	3.5	2.5 to 4.5	18	
SJMN90R1K2F	900	7	32	1.00	1.20	3.5	2.5 to 4.5	18	
SJMN60R850D	600	5	38	0.70	0.85	2.5	2.5 to 4.5	7	TO-252
SJMN60R570D	600	7	70	0.54	0.57	3.5	2.5 to 4.5	8	
SJMN60R38D	600	11	76	0.34	0.38	5.5	2.5 to 4.5	28	
SJMN60R380D	600	11	76	0.34	0.38	5.5	2.5 to 4.5	22	
SJMN65R570D	650	7	70	0.54	0.57	3.5	2.5 to 4.5	8	
SJMN65R38D	650	11	76	0.34	0.38	5.5	2.5 to 4.5	28	
SJMN65R380D	650	11	76	0.34	0.38	5.5	2.5 to 4.5	22	
SJMN70R600D	700	7	70	0.56	0.60	3.5	2.5 to 4.5	18	

## ■ Quick Reference

Part No.	Maximum Ratings			Electrical Characteristics					Package
				$R_{DS(on)}$ [ $\Omega$ ]			$V_{GS(th)}$ [V]	Qg [nC]	
	$V_{DSS}$ [V]	$I_D$ [A]	$P_D$ [W]	Typ.	Max.	@ $I_D$ [A]			
SJMN70R420D	700	11	76	0.40	0.42	5.5	2.5 to 4.5	22	TO-252
SJMN80R1K2D	800	7	70	1.00	1.20	3.5	2.5 to 4.5	18	
SJMN90R1K2D	900	7	70	1.00	1.20	3.5	2.5 to 4.5	18	
SJMN60R850I	600	5	38	0.70	0.85	2.5	2.5 to 4.5	7	I-PAK
SJMN60R570I	600	7	70	0.54	0.57	3.5	2.5 to 4.5	8	
SJMN60R38I	600	11	76	0.34	0.38	5.5	2.5 to 4.5	28	
SJMN60R380I	600	11	76	0.34	0.38	5.5	2.5 to 4.5	22	
SJMN65R570I	650	7	70	0.54	0.57	3.5	2.5 to 4.5	8	
SJMN65R38I	650	11	76	0.34	0.38	5.5	2.5 to 4.5	28	
SJMN65R380I	650	11	76	0.34	0.38	5.5	2.5 to 4.5	22	
SJMN70R600I	700	7	70	0.56	0.60	3.5	2.5 to 4.5	18	
SJMN70R420I	700	11	76	0.40	0.42	5.5	2.5 to 4.5	22	
SJMN80R1K2I	800	7	70	1.00	1.20	3.5	2.5 to 4.5	18	
SJMN90R1K2I	900	7	70	1.00	1.20	3.5	2.5 to 4.5	18	
SJMN60R15B	600	20	120	0.12	0.15	10	2.5 to 4.5	62	
SJMN60R150B	600	20	120	0.12	0.15	10.0	2.5 to 4.5	50	
SJMN65R15B	650	20	120	0.12	0.15	10	2.5 to 4.5	62	
SJMN65R150B	650	20	120	0.12	0.15	10.0	2.5 to 4.5	50	
SJMN70R150B	700	20	120	0.12	0.15	5.5	2.5 to 4.5	50	
SJMN60R15CI	600	20	160	0.12	0.15	10	2.5 to 4.5	62	TO-3P
SJMN60R150CI	600	20	160	0.12	0.15	10.0	2.5 to 4.5	50	
SJMN65R15CI	650	20	160	0.12	0.15	10	2.5 to 4.5	62	
SJMN65R150CI	650	20	160	0.12	0.15	10.0	2.5 to 4.5	50	
SJMN70R150CI	700	20	160	0.12	0.15	5.5	2.5 to 4.5	50	