



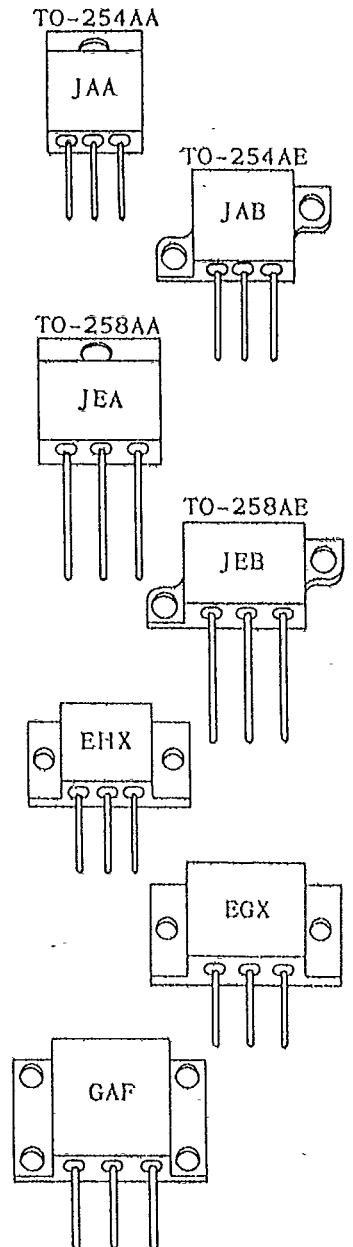
Devices, Inc.

7.39.01

THE N-CHANNEL MOSFET CHIPS USED IN THE FOLLOWING DISCRETE TYPES FORM A PART OF THE "CHIP MENU" AVAILABLE FOR USE IN THE BUILDING BLOCK CIRCUITS DESCRIBED IN THE MULTI-CHIP ASSEMBLY PRODUCT LINE (SEE PAGE 7). THE SOLITRON BUILDING BLOCK APPROACH PERMITS THE DESIGN ENGINEER TO CUSTOMIZE ANY CIRCUIT IN A STANDARD PACKAGE CONFIGURATION.

**N-CHANNEL POWER MOSFETS**

Part Numbers	V <sub>DS</sub> Drain Source Voltage (Volts)	R <sub>DS(on)</sub> On-State Resistance (Ohms)	I <sub>D</sub> Continuous Drain Current 25°C Case (Amps)	I <sub>DM</sub> Pulse Drain Current (Amps)	P <sub>D</sub> Max, Power Dissipation (Watts)	Solitron Designator For Case Styles
SDFG50	1000	2.0	5.6	22.0	150	JEA, JEB
SDFG52		2.4	5.1	20.0	150	GAF
SDFG40		3.5	3.9	16.0	125	EGX
SDFG42		4.2	3.6	14.0	125	JAA, JAB
SDFG30		5.6	2.5	9.0	75	JAA, JAB
SDFG20		11.5	1.3	5.2	50	JAA, JAB
SDFG22		13.8	1.2	4.8	50	EHX
SDFR50	900	1.6	6.2	25.0	150	EGX
SDFR52		1.9	5.7	23.0	150	JAA, JAB
SDFR40		2.5	4.3	17.0	125	EHX
SDFR42		3.0	3.9	16.0	125	JAA, JAB
SDFR30		4.0	2.0	10.4	75	JAA, JAB
SDFR20		8.0	1.6	6.4	50	JAA, JAB
SDFR22		9.6	1.5	6.0	50	EHX
SDFE50	800	1.2	7.1	28.0	150	JEA, JEB
SDFE52		1.4	6.6	26.0	150	EGX
SDFE40		2.0	4.8	19.0	125	EGX
SDFE42		2.4	4.4	18.0	125	JAA, JAB
SDFE30		3.0	2.0	11.2	75	EGX
SDFE20		6.5	1.8	7.2	50	JAA, JAB
SDFE22		7.8	1.6	6.4	50	JAA, JAB
SDFC40	600	1.2	6.2	25.0	125	EHX
SDFC42		1.6	5.4	22.0	125	JAA, JAB
SDFC30		2.2	3.6	14.0	60	JAA, JAB
SDFC32		2.7	3.2	12.0	60	EHX
SDF460	500	0.27	21.0	84.0	250	JEA, JEB
SDF462		0.35	19.0	76.0	250	GAF
SDF450		0.40	13.0	52.0	150	JAA, JAB
SDF452		0.50	11.0	44.0	150	EGX
SDF448		0.60	9.6	38.0	125	JAA, JAB
SDF449		0.75	8.6	34.0	125	EGX
SDF440		0.85	8.0	32.0	125	EHX
SDF442		1.1	7.0	28.0	125	JAA, JAB
SDF430		1.5	4.5	15.0	60	EHX
SDF432		2.0	4.0	13.0	60	EHX
SDF420		3.0	2.5	8.0	50	EHX
SDF422		4.0	2.2	7.0	50	EHX



\*Add Solitron designator for available case style to basic part number.

**Solitron**

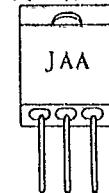
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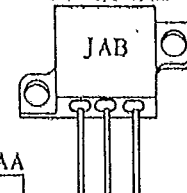
**N-CHANNEL POWER MOSFETS**

Part Numbers	V <sub>DS</sub> Drain Source Voltage (Volts)	R <sub>DS(on)</sub> On-State Resistance (Ohms)	I <sub>D</sub> Continuous Drain Current 25°C Case (Amps)	I <sub>DM</sub> Pulse Drain Current (Amps)	P <sub>D</sub> Max, Power Dissipation (Watts)	Solitron Designator For Case Styles
SDF451	450	0.40	13.0	52.0	150	JAA, JAB
SDF453		0.50	11.0	44.0	150	EGX
SDF441		0.85	8.0	32.0	125	JAA, JAB
SDF443		1.1	7.0	28.0	125	EHX
SDF431		1.5	4.5	15.0	60	EHX
SDF433		2.0	4.0	13.0	60	EHX
SDF421		3.0	2.5	8.0	50	EHX
SDF423		4.0	2.2	7.0	50	EHX
SDF360	400	0.20	25.0	100.0	250	JEA, JEB
SDF362		0.25	22.0	88.0	250	GAF
SDF350		0.3	15.0	60.0	150	JAA, JAB
SDF352		0.4	13.0	52.0	150	EGX
SDF340		0.55	10.0	40.0	125	JAA, JAB
SDF342		0.80	8.3	33.0	125	EHX
SDF330		1.0	5.5	20.0	60	EHX
SDF332		1.5	4.5	16.0	60	EHX
SDF320		1.8	3.3	13.0	50	EHX
SDF322		2.5	2.8	10.0	50	EHX
SDF351	350	0.3	15.0	60.0	150	JEA, JEB
SDF353		0.4	13.0	52.0	150	EGX
SDF341		0.55	10.0	40.0	125	JAA, JAB
SDF343		0.80	8.3	33.0	125	EHX
SDF331		1.0	5.5	20.0	60	JAA, JAB
SDF333		1.5	4.5	16.0	60	EHX
SDF321		1.8	3.3	13.0	50	EHX
SDF323		2.5	2.8	11.0	50	EHX
SDF254	250	0.14	22.0	88.0	150	JEA, JEB
SDF255		0.17	20.0	80.0	150	EGX
SDF244		0.28	14.0	56.0	125	JAA, JAB
SDF245		0.34	13.0	52.0	125	EHX
SDF234		0.45	8.4	34.0	60	EHX
SDF235		0.68	6.8	27.0	60	EHX
SDF224		1.1	3.8	15.0	50	EHX
SDF225		1.5	3.3	13.0	50	EHX

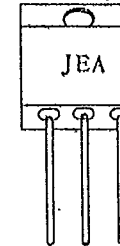
TO-254AA



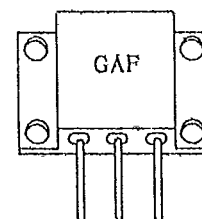
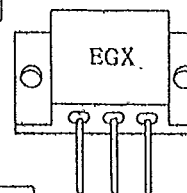
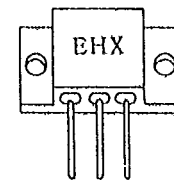
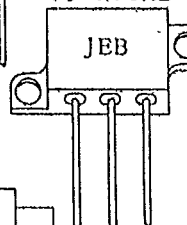
TO-254AB



TO-258AA



TO-258AB



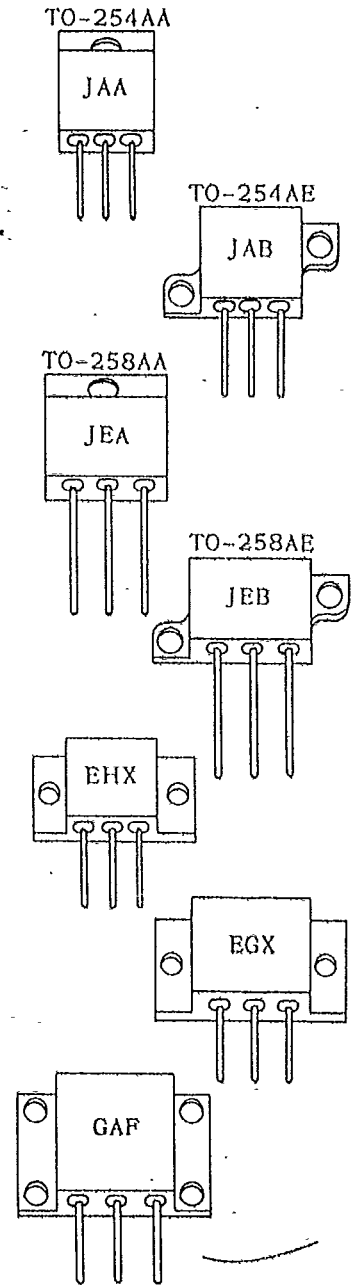
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Part Numbers	V <sub>DS</sub> Drain Source Voltage (Volts)	R <sub>DS(on)</sub> On-State Resistance (Ohms)	I <sub>D</sub> Continuous Drain Current 25°C Case (Amps)	I <sub>DM</sub> Pulse Drain Current (Amps)	P <sub>D</sub> Max. Power Dissipation (Watts)	Solitron Designator For Case Styles
SDF250 SDF252 SDF240 SDF242 SDF230 SDF232 SDF220 SDF222	200	0.085 0.120 0.18 0.22 0.40 0.60 0.8 1.2	30.0 25.0 18.0 16.0 9.0 7.3 5.0 4.0	120.0 100.0 72.0 64.0 36.0 29.0 20.0 16.0	150 150 125 125 60 60 40 40	JEA, JEB EGX JAA, JAB EHX EHX EHX EHX
SDF251 SDF253 SDF241 SDF243 SDF231 SDF233 SDF221 SDF223	150	0.085 0.120 0.18 0.22 0.40 0.60 0.8 1.2	30.0 25.0 18.0 16.0 9.0 7.3 5.0 4.0	120.0 100.0 72.0 64.0 36.0 29.0 20.0 16.0	150 150 125 125 60 60 40 40	JEA, JEB EGX JAA, JAB EHX EHX EHX EHX
SDF150 SDF152 SDF140 SDF142 SDF130 SDF132 SDF120 SDF122	100	0.055 0.08 0.077 0.100 0.16 0.23 0.27 0.36	30.0 30.0 28.0 25.0 14.0 12.0 9.2 8.0	160.0 132.0 110.0 100.0 56.0 48.0 37.0 32.0	150 150 125 125 60 60 40 40	JEA, JEB EGX JAA, JAB EHX EHX EHX EHX EHX
SDF141 SDF143 SDF131 SDF133 SDF121 SDF123	80	0.077 0.100 0.16 0.23 0.27 0.36	28.0 25.0 14.0 12.0 9.2 8.0	110.0 100.0 56.0 48.0 37.0 32.0	125 125 60 60 40 40	JAA, JAB EHX EHX EHX EHX EHX
SDF044 SDF045 SDF034 SDF151 SDF035 SDF153 SDF024 SDF025	60	0.28 0.035 0.050 0.055 0.070 0.08 0.10 0.12	30.0 30.0 23.5 30.0 25.0 30.0 17.0 16.0	210.0 190.0 94.0 160.0 100.0 132.0 68.0 64.0	125 125 60 125 60 125 60 60	JAA, JAB EHX EHX JAA, JAB EHX EGX EHX EHX



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