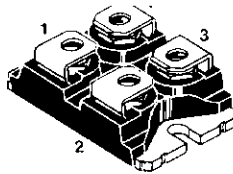


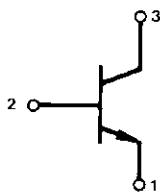
BIPOLAR IN ISOTOP

SCREW VERSION

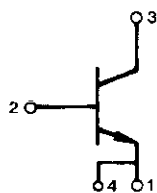


For other conf.

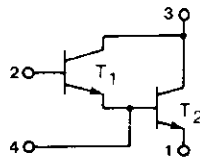
Internal schematic diagrams



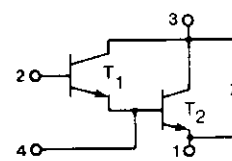
Conf. 1



Conf. 2



Conf. 3



Conf. 4

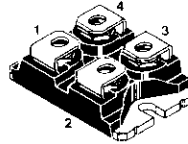
Configuration	Sales type	V _{CEO} (.) (V)	V _{CEV} (V)	I _c (A)	V _{CE} (sat) @ I _c / I _B (.)			t _s (&) (μs)	t _f (&) (μs)	P _{tot} (W)
					(V)	(A)	(A)			
4	ESM2012DV	125	150	120	2	100	1	2	0.3	175
1	BUT30V	125	200	100	1.5	100	10	2	0.2	250
2	BUT230V	125	200	200	1.5	200	20	2	0.3	300
1	BUT32V	300	400	80	1.9	40	4	3	0.4	250
4	ESM3030DV	300	400	100	2.2	85	2.4	3.5	0.6	225
2	BUT232V	300	400	140	1.9	70	7	5	0.4	300
4	ESM3045DV	450	600	24	2	20	1.2	4	0.4	125
4	ESM4045DV	450	600	42	2	35	2	4.5	0.5	150
4	ESM5045DV	450	600	60	2	50	2.8	5	0.5	175
4	ESM6045DV	450	600	84	2	70	4	5.5	0.5	250
1	BUV98V	450	850	30	2.5	20	4	5	0.4	150
1	BUV298V	450	850	60	2	40	8	4.5	0.4	250
2	BUF460V	450	850	80	2	60	12	2	0.1	300
1	BUV98AV	450	1000	30	2.5	16	3.2	5	0.4	150
3	ESM4045AV	450	1000	36	2	30	1.2	5	0.6	150
1	BUV298AV	450	1000	50	2	32	6.4	4.5	0.4	250
3	ESM6045AV	450	1000	72	2	60	2.4	6	0.6	250
4	STF6045AV	450	1000	72	2	60	2.4	6	0.4	250
2	BUF460AV	450	1000	80	2	60	12	2	0.1	300
1	BUV298CV	700	1200	30	2.0	12	4.80	3.0	0.8	150

(.) V_{CEO} Sustaining. (..) Max Value at T_j = 100°C.

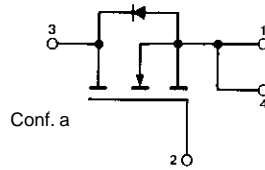
(&) Max Value, inductive Load and T_j = °C.

POWER MOS/ISOTOP

SCREW VERSION



Internal schematic diagrams



POWER MOS

V_{dss} (V)	$R_{ds(on)}$ (W)	Type	$I_{d(cont)}$ (A)	P_{tot} (W)	I_{AR} $T_j=25^\circ\text{C}$ (A)	E_{AS} $T_j=25^\circ\text{C}$ (mJ)	E_{AR} $T_j=25^\circ\text{C}$ (mJ)	I_{AR} $T_j=100^\circ\text{C}$ (A)
60	0.004	STE250N06	250	450	70	900	200	45
100	0.007	STE180N10	180	450	60	720	180	37
100	0.009	STE150N10	150	410	60	720	180	37
200	0.021	STE100N20	100	450	33	810	18	19
250	0.027	STE90N25	90	450	23	800	200	15
400	0.075	STE50N40	50	450	16	435	23	9.5
500	0.085	STE53NA50	53	460	26	1014	384	16
500	0.100	STE47N50	47	450	12	216	96	8
500	0.110	STE45N50	45	450	12	216	96	8
500	0.135	STE38NA50	38	400	19	542	216	12
500	0.140	STE36N50-DK	36	410	14	294	116	8.8
500	0.140	STE36N50-DA	36	410	14	294	116	8.8
600	0.150	STE38N60	38	450	10	150	58	6.2
800	0.400	STE22N80	22	400	7.3	80	30	4.5
900	0.350	STE24N90	24	450	6	54	20	3.7
1000	0.770	STE15N100	15	400	5	38	14.5	3.1