T-33-05

Bipolar Transistors (cont'd)

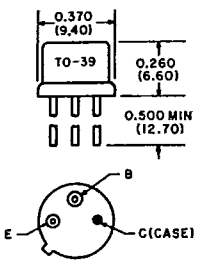
RCA Type	Polarity and Material	LIMIT CONDITIONS			CHARACTERISTICS							
					BREAKDOWN VOLTAGE			Typical Current Gain			Typical Gain Bandwidth Product	Case Style	Outline No.
		Device Dissipation P_T W	Collector Current Continuous I_C A	Peak (Surge) I_{CM} A	Collector to Base V_{CBO} V	Collector to Emitter V_{CEO} V	Emitter to Base V_{EBO} V	h_{FE}	V_{CE} V	I_C A	f_T MHz		
SK3265	NPN Si	5	0.7	—	60	40	5	125	10	0.15	150	TO-39	T-005
SK3270	NPN Si	125	15	—	50	40	5	100	4	4	10	TO-3	T-043
SK3272	NPN Si	40	6	—	50	40	5	60	4	2	12	TO-66	T-040
SK3273	NPN Si	36	4	—	60	40	5	60	4	0.5	1.5	TO-220	T-036
SK3274/153	PNP Si	50	−7	—	−60	−60	−5	60	−4	−3	10	TO-220	T-036
SK3275/194	NPN Si	0.6	0.6	—	160	140	6	200	5	0.01	200	TO-92	T-021
SK3293/107	NPN Si	0.25	0.05	—	30	15	5	100	10	0.005	1100	TO-92	T-017
SK3297/280	NPN Si	100	12	—	140	140	5	100	5	2	6	TO-3	T-043
SK3298/299	NPN Si	4	1	—	75	35	4	50	10	0.1	200	TO-202	T-035
SK3299/237●	NPN Si	12.5	4	—	80	70	4.5	50	10	0.1	150	TO-39F	T-006
SK3356	NPN Si	0.36	0.5	—	40	30	5	100	10	0.15	200	TO-92	T-017
SK3357/186A	NPN Si	10	3	—	50	50	5	120	5	1	150	TO-202M	T-039
SK3359/281	PNP Si	100	−12	—	−140	−140	−5	100	−5	−2	6	TO-3	T-043
SK3360/280MP	NPN Si	*Matched Pair of SK3297 Transistors, for Data See SK3297/2803*										TO-3	T-043
SK3433/287	NPN Si	0.625	0.5	—	300	300	6	80	10	0.05	>40	TO-92	T-021
SK3434/288	PNP Si	0.625	−0.5	—	−300	−300	−5	80	−10	−0.05	>40	TO-92	T-021
SK3438	NPN Si	125	8	16	500	250	8	35	5	3	5	TO-3	T-043
SK3439A/163A	NPN Si	125	8	16	700***	350	8	12-60	3	5	5	TO-3	T-043
SK3440/291	NPN Si	40	4	—	130	120	5	80	4	1.5	4	TO-220	T-036
SK3441/292	PNP Si	40	−4	—	−130	−120	−5	80	−4	−1.5	10	TO-220	T-036
SK3444/123A	NPN Si	1.8	0.8	—	75	40	6	200	10	0.15	300	TO-18	T-008
SK3449/297	NPN Si	0.8	0.4	1	80	80	5	160	2	0.05	120	TO-92M	T-023
SK3450/298	PNP Si	0.8	−0.4	−1	−80	−80	−5	160	−2	−0.05	120	TO-92M	T-023
SK3452/108	NPN Si	1	0.1	—	30	20	3	>25††	10	0.002	>700	TO-92	T-021
SK3464/300	NPN Si	7	1.5	—	50	40	5	110	4	0.5	70	TO-202	T-035
SK3466/159	PNP Si	1.5	−1	—	−80	−80	−5	50-200	−10	−0.01	100-400	TO-92	T-021
SK3467/283	NPN Si	100	10	15	800	325	8	>15	10	2.5	6	TO-3	T-043
SK3479†	NPN Si	1.5	0.5	—	80	80	5	>50	1	0.1	>100	TO-92	T-021
SK3510	NPN Si	115	15	—	100	80	7	45	4	2	1.5	TO-3	T-043
SK3512	NPN Si	10	2	—	100	90	7	90	4	0.4	70	TO-39	T-005
SK3513	PNP Si	10	−2	—	−100	−90	−7	70	−4	−0.4	70	TO-39	T-005
SK3528/397	PNP Si	10	−1	—	−350	−300	−6	30-120	−10	−0.05	15	TO-39	T-005
SK3529	NPN Si	5	2	—	60	55*	5	50	1	0.5	350	TO-39	T-005
SK3537	NPN Si	4	1	—	200	200	3	75	10	0.05	10	TO-39R	T-050
SK3538	NPN Si	40	3	4	160	140	7	30	4	0.5	1	TO-66	T-040
SK3559/162	NPN Si	175	10	30	450	350	6	80	3	3	8	TO-3	T-043
SK3562†	NPN Si	35	7	10	120	75	7	80	5	4	40	TO-66	T-040
SK3563	NPN Si	125	15	—	90	80	5	300	4	1	10	TO-3	T-043
SK3619	NPN Si	140	30	—	150	120	7	80	3	10	75	TO-3	T-043
SK3620	NPN Si	75	15	—	90	80	5	100	4	4	10	TO-220	T-036
SK3621	NPN Si	140	10	12	150	120	6.5	60	2	3	100	TO-3	T-043
SK3622†	NPN Si	35	4	5	100	50	6	40	2	2	100	TO-66	T-040
SK3623/38	PNP Si	35	−2	−5	−450	−400	−6	75	−110	−0.8	20	TO-66	T-040
SK3625/218	PNP Si	40	−4	—	−130	−120	−5	60	−4	−1	12	TO-66	T-040
SK3626	NPN Si	40	4	—	130	120	5	60	4	1	7	TO-66	T-040
SK3642/179	PNP Ge	106	−25	—	−90	−100	−2	>25	−2	−8	0.4	TO-3	T-043
SK3710/238	NPN Si	50	7	10	1500	600	7	20	5	5	1	TO-3	T-043
SK3715	PNP Si	1	−0.6		−160	−150	−5	200	−5	−0.01	200	TO-92	T-021
SK3716/161	NPN Si	0.25	0.03	—	45	25	4	100	6	0.006	1000	TO-72	T-001
SK3717/121	PNP Ge	90	−10	—	−70	−50★	−30	80	−2	−3	0.5	TO-3	T-043
SK3718/121MP	PNP Ge	*Matched Pair of SK3717 Transistors, for Data See SK3717/121*										TO-3	T-043
SK3719/104	PNP Ge	90	−7	—	−50	−35★	−20	80	−2	−3	0.3	TO-3	T-043
SK3720/104MP	PNP Ge	*Matched Pair of SK3719 Transistors, for Data See SK3719/1043*										TO-3	T-043
SK3721/100	PNP Ge	0.15	−0.3	—	−25	−20	−20	110	−1	−0.01	10	TO-39	T-005

* V_{CES} ★ V_{CER} †† 75 typ

*** V_{CEV} ● P_o = 3W @ 27 MHz, 12V † See Switching Times Chart, page 4-22

Datasheet Directory

Dimensional Outlines and Terminal Diagrams



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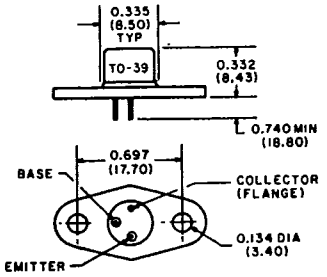

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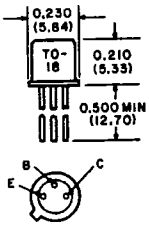

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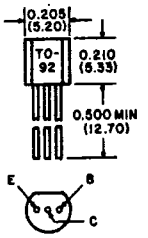

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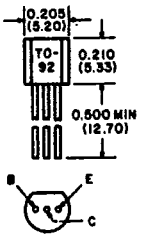

T-018
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SK3356

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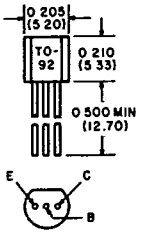

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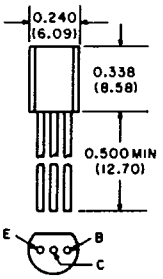

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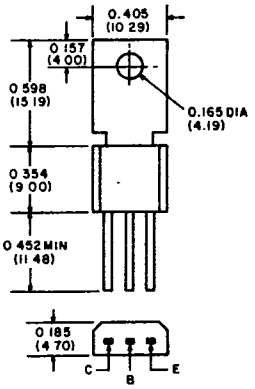

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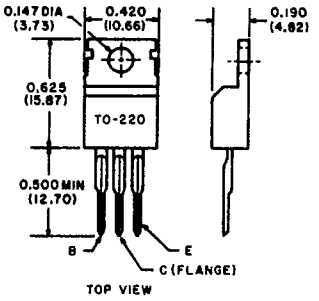

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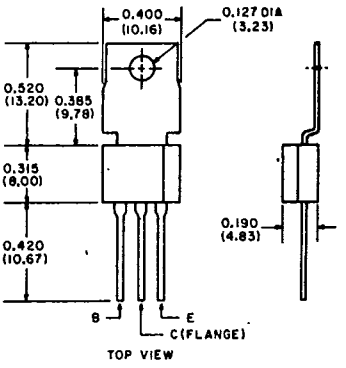

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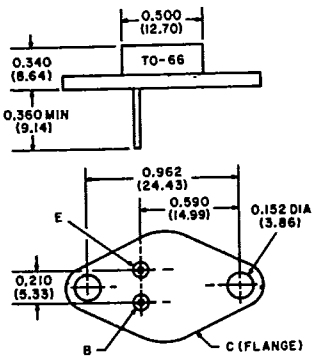

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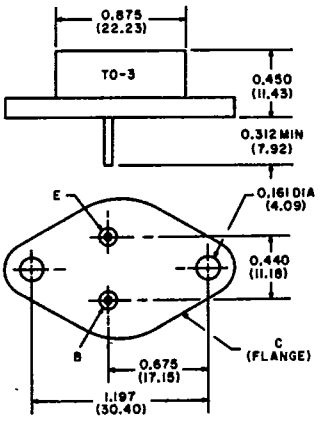

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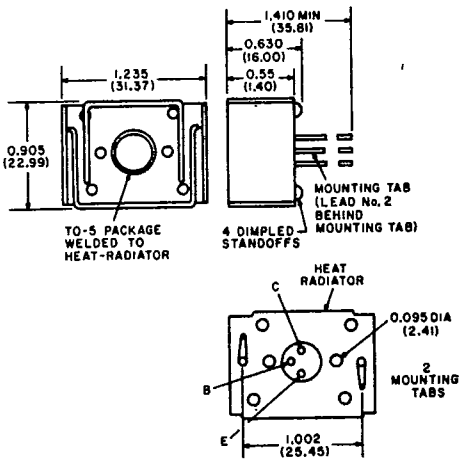

T-050

Dimensions in inches (millimeters).
All dimensions are max. unless otherwise indicated.