

GERMANIUM PNP HIGH POWER TRANSISTORS

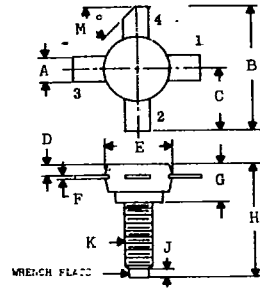
DEVICES	PKG	DEVICES	PKG	DEVICES	PKG	DEVICES	PKG	DEVICES	PKG
2N58A	R173	2N629	T03	2N2144A	T03	2N2612	T03	2N5436	T03
2N143/13	T013	2N630	T03	2N2145A	T03	2N2833	T03	2N5437	T03
2N174A	T036	2N665	T03	2N2146A	T03	2N2834	T03	2N5438	T03
2N277	T036	2N669	T03	2N2152	T85	2N2912	R74	2N5439	T03
2N278	T036	2N1011	T03	2N2152A	T85	2N4048	T036	2N5440	T03
2N297A	T03	2N1038	R122	2N2153	T85	2N4049	T036	2N5887	T066
2N350	T03	2N1042	T6	2N2154	T85	2N4050	T036	2N5888	T066
2N351	T03	2N1073	T15	2N2155	T85	2N4051	T036	2N5889	T066
2N375	T03	2N1073A	F15	2N2155A	T85	2N4052	T036	2N5890	T066
2N376	T03	2N1099	T036	2N2156	T85	2N4053	T036	2N5891	T066
2N379	T03	2N1100	T036	2N2156A	T85	2N4276	T03	2N5892	T066
2N380	T03	2N1159	T03	2N2157	T85	2N4277	T03	2N5893	T066
2N441	T036	2N1261	T36	2N2157A	T85	2N4278	T03	2N5894	T066
2N442	T036	2N1502	T036	2N2158	T85	2N4279	T03	2N5895	T066
2N443	T036	2N1521	T036	2N2158A	T85	2N4280	T03	2N5896	T066
2N456A	T03	2N1541A	T03	2N2159	T85	2N4281	T03	2N5897	T066
2N458A	T03	2N1751	F35	2N2553	T27	2N4282	T03	2N5898	T066
2N459A	F4a	2N1760	T03	2N2555	T27	2N4283	T03	2N5899	T066
2N574A	T7	2N2076A	T036	2N2558	T28	2N5324	T03	2N5900	T066
2N627	T03	2N2142A	T03	2N2560	T28	2N5325	T03	2N5901	T066
2N628	T03	2N2143A	T03	2N2564	R122	2N5435	T03	DTG2400	Y204a

GERMANIUM NPN LOW POWER TRANSISTORS

DEVICES	PKG	DEVICES	PKG
2N35	03J	2N228	T022
2N78	05	2N229	T022
2N94	T022	2N333	T022
2N97	T05	2N388A	T05
2N98	03e	2N1302	T05
2N99	03e	2N1304	T05
2N103	03e	2N1306	T05
2N124	03e	2N1308	T05
2N125	03e		
2N212	T022		
2N213	03e		
2N214	T022		

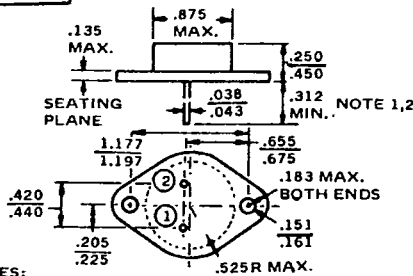
TRANSISTOR OUTLINES

T72



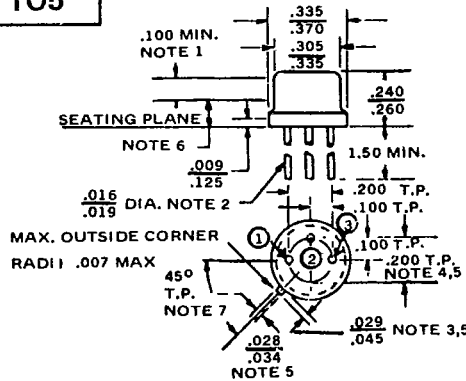
	A	B	C	D	E	F	G	H	J	K	M
T72	.220 .230	1.055 1.065	.520 .540	.065 .085	.465 .485	.003 .008	.240 .260	.710 .730	.120 .130	8-32N.C.2A	45*
T72a	.225	1.00 MIN			.390 MAX	.005 .010	.200	.305 MAX	.145	8-32UNC24THD	45*
T72b	.120 .125		.358 .378		.220 .240	.008	.200	.305 MAX	.145	6-32	30*
T72c	.146	.984 1.142	.571	.102	.375 MAX	.005 MAX	.226	.687	.134	8-32UNC	
T72d	.223 MAX			.045 TYP	.355 .375	.006 TYP	.155 .165	.595 .635	.130	8-32UNC-2A	45*
T72e	.225 MAX			.104 TYP	.490 .510	.006 TYP	.260 .280	.700 .750	.120	8-32UNC-2A	45*
T72f	.078	.866			.275	.003	.242	.774	.118	JSOM3	45*
T72g	.220 .230	1.095 MIN			.365 .385	.004 .008	.205 .225	.630 .750		8-32UNC24THD	45*
T72h	.220 .230	1.055 1.065	.520 .540	.080 .100	.365 .385	.004 .007	.245 .275	.710 .750	.100 .130	8-32NC3A	45*
T72j	.031			.082	.393	.157		.484		8-32UNC-2A	
T72k	.138 .154	1.00 1.04		.113	.370 .378	.005 .006	.207 .227	.624 .684		10-32UNF	
T72m	.146	.984 MIN		.108	.382 MAX	.005	.226 MAX	.667 MAX	.141	8-32UNC	
T72n	.221 .229	1.04 1.06		.085 .095	.370 .390	.004 .006	.250 .275		.100 .130	8-32UNC-2A	45*
T72p	.220 .230				.565 .585	.005 NOM			.100 .130		45*
T72q	.220 .230	1.055 1.065	.520 .530	.073 .077	.365 .385	.005	.245 .275	.710 .750	.100 .130	8-32UNC-2A	45*
T72r	.220 .230	1.055 1.065	.520 .530	.080 .100	.490 .510	.005	.245 .275	.835 .845	.110 .120	10-32NC-3A	45*
T72s	.228	1.06		.104	.377	.005	.267	.748	.129	M4	
T72t		1.055 1.065	.520 .530		.500		.250	.840		8-32NC-3A	
T72u	.217 .233	1.11			.106 .126	.367 .006	.004 MAX	.284 .738		10-32 UNF	
T72v	.229	1.055	.530		.390		.275	.750	.130	8-32	
T72w	.157	.708	.354	.074	.350	.003	.177	.728	.116	M4	

T03



- NOTES:
1. THESE DIMENSIONS SHOULD BE MEASURED AT POINTS .050" (1.27MM) TO .055" (1.40MM) BELOW SEATING PLANE. WHEN GAUGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.
 2. TWO LEADS

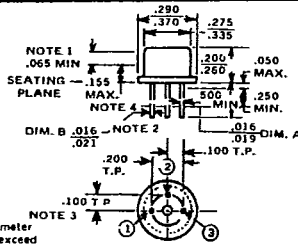
T05



T05 NOTES:

1. This zone is controlled for automatic handling. The variation in actual diameter within the zone shall not exceed .010.
2. The specified lead diameter applies in the zone between .050 and .250 from the seating plane. Between .250 and 1.5 a maximum of .021 diameter is held. Outside of these zones the lead diameter is not controlled.
3. Measured from max. diameter of the actual device.
4. Leads having maximum diameter (.019) measured in gauging plane .054 + .001 - .000 below the seating plane of the device shall be within .007 of their true locations relative to a maximum-width tab.
5. The device may be measured by direct methods or by the gauge and gauging procedure described on the base gauge drawing, GS-1.
6. Details of outline in this zone optional.
7. Tab centerline.

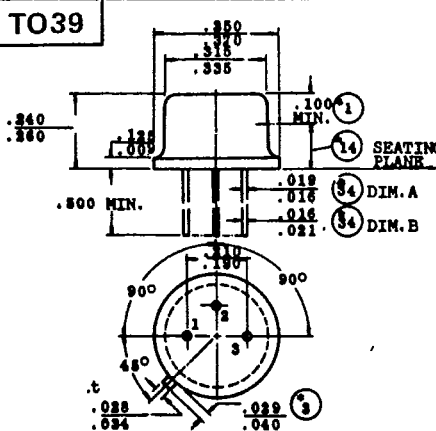
T09



T09 NOTES:

1. The variation in actual diameter within this zone shall not exceed .010".
2. (Three leads) Dim. A .016 min. and .019 max. applies between .050 max. and .250 min. Dim. B .016 min. and .021 max. applies between .250 min. and .5" from seating plane. Diameter is uncontrolled in .050 max. and beyond .5" from seating plane.
3. Leads having a maximum diameter .019" measured in a gauging plane of .054" and .001" - .000" below the seating plane of the device shall be within .007" of their true position (T.P.).
4. Details of outline in this zone optional.

T039



TRANSISTOR OUTLINES

T064

NOTES

- The outline contour with exception of hexagon is optional within zone or dimension specified.
- Minimum difference in terminal lengths to establish datum line for numbering terminals.
- Contour and orientation of fixed terminal lugs are optional.
- A chamfer (or undercut) on one or both ends of hexagonal portion is optional.
- Pitch diameter - thread 10-32 UNF-2A (coated). Reference (screw thread standards for federal services - handbook H-28).
- Minimum diameter of seating plane.
- Minimum spacing between terminals.

T066

NOTES

- Dimension does not include sealing flanges.
- The outline contour is optional within zone defined by these dimensions.

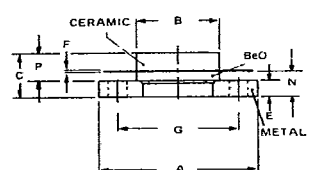
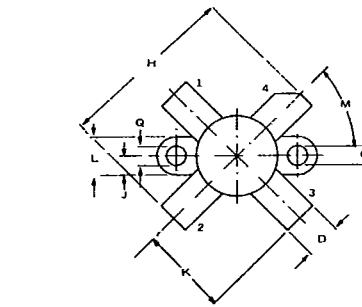
T083

NOTES

- Dimension does not include sealing flanges.
- The outline contour is optional within zone defined by these dimensions.

W52

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
W52	.970	.375	.239	.220	.085	.004	.720	.790	.122	.390	.245	40*			.117
	.980	.383	.281	.230	.105	.006	.730	.810	.127	.410	.255	50*			.123
W52a	.970	.465	.229	.085	.084	.004	.720	1.40	.122	.700	.245	40*			.117
	.980	.475	.265	.155	.100	.006	.730	1.50	.127	.750	.255	50*			.123
W52b	.970	.373	.239	.220	.085	.004	.720	.850	.123	.425	.245	40*	.150		.117
	.980	.383	.281	.230	.105	.006	.730	.870	.127	.435	.255	50*	.180		.123
W52c		.375	.260	.225	.100	.005	.725				.250	45*	.160	.160	.125
W52d		.500	.285	.225	.125	.005	.725				.250	45*	.165	.160	.125
W52e		.450	.244	.221	.085	.004	.720	1.05			.245	40*	.145	.159	.122
		.510	.286	.229	.105	.006	.730	1.06			.255	50*	.175	.181	.127
W52f	.970	.464	.229	.085	.083	.003	.720	1.39	.122	.698	.244	40*	.144		.116
	.979	.509	.264	.155	.100	.005	.729	1.49	.127	.749	.255	50*	.170		.122
W52g	.970	.465	.229	.085	.084	.004	.720	1.400	.122	.700	.245	40*	.144	.145	.115
	.980	.510	.275	.155	.100	.006	.730	1.500	.127	.750	.255	50*	.178	.175	.125
W52h	.970	.370	.229	.215	.085	.004	.720	.850	.122	.425	.245	40*	.160	.144	.113
	.980	.390	.281	.235	.105	.006	.730	.870	.127	.435	.255	50*	.180	.176	.130
W52j	.970	.490	.229	.240	.085	.004	.720	.970	.122	.485	.245	40*	.150	.144	.113
	.980	.510	.281	.260	.105	.006	.730	1.030	.127	.515	.255	50*	.180	.176	.130
W52k	.970	.370	.229	.215	.085	.004	.720	.790	.122	.395	.245	40*	.150		.113
	.980	.390	.281	.235	.105	.006	.730	.810	.127	.405	.255	50*	.180		.130
W52m	.970	.465	.229	.085	.084	.003	.720			.700	.245	45*	.144		.115
	.980	.510	.275	.155	.110	.007	.730			MIN	.255	NOM	.178		.130
W52n	.970	.495	.229	.216	.084	.003	.720	.870	.123	.435	.246	45*	.144	.145	.115
	.980	.510	.275	.235	.110	.007	.730	MIN	.127	.730	.255	NOM	.178	.175	.130
W52p	.970	.465	.229	.216	.084	.003	.720			.435	.246	45*	.144		.115
	.980	.510	.275	.235	.110	.007	.730			MIN	.255	NOM	.178		.130
W52q	.975	.490	.250	.120			.725	1.450			.250	45*	.190		.120
W52r		.480	.248	.218	.106	.004	.718				.240		.150		.122
		.520	.287	.222	.130	.008	.730				.256		.181		.130
W52a	.963	.386	.256	.216	.086	.004	.719	1.03				45*	.162		.122
	.985	.385	.276	.232	.110		.730	1.09					.182		.130
W52c	.384	.385	.285	.216	.100	.004	.725	.787	.129	.393	.249	45*	.161	.185	.114
	MAX	MAX	MAX	.232		.005		.811	MAX	.405			.179	MAX	.125
W52u	.592	.511	.275	.216	.094	.004	.725	1.063	.082	.631	.250	45*	.102	.149	.114
	MAX	MAX	MAX	.232		.006		1.141	.067	.670			.125	.173	.125
W52v	.967	.500	.260	.220	.116	.004	.719	1.138	.118	.569	.242	40*	.152	.100	.118
	.983	MAX	.275	.230	.136	.006	.730	MAX	.134	MAX	.258	50*	.171		.134



Torque on screw min 0.6 Nm (6 kg cm)
max 0.75 Nm (7.5 kg cm)
Recommended screw: raised cheese-head 4 40 UNC/2A
Heatsink compound must be applied sparingly and evenly

PROBLEM HARD COPY

DIODE TRANSISTOR CO INC TRANSISTOR & RECTIFIER OUTLINES

