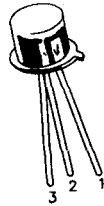
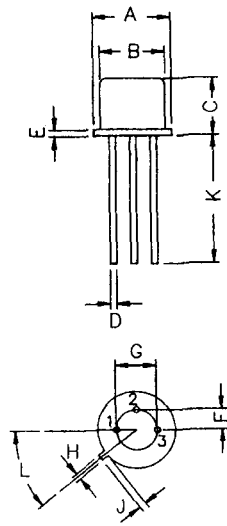


TO-18



PIN CONFIGURATION
1. Emitter
2. Base
3. Collector

DIM	MIN	MAX
A	5,24	5,84
B	4,52	4,97
C	4,31	5,33
D	0,40	0,53
E	—	0,76
F	—	1,27
G	—	2,97
H	0,91	1,17
J	0,71	1,21
K	12,7	—
L	45 DEG	—

ALL DIMENSIONS ARE IN M.M.

TO-18 Metal-Can Package Transistors (NPN)

Maximum Ratings							Electrical Characteristics (Ta=25°C, Unless Otherwise Specified)															
Type No.	V _{CBO} (V) Min	V _{CEO} (V) Min	V _{EBO} (V) Min	P _D (W) @ Tc=25°C	I _C (A)	I _{CM} (A)	I _{CBO} (μA) Max	V _{CB} (V) @ I _C	I _{CES} (μA) Max	V _{CE} (V) @ I _{CES}	h _{FE} Min	β Max	I _C & V _{CE} (mA) (V)	V _{CE(SAT)} (V) & V _{BE(SAT)} (V) Max - Min	V _{BE(SAT)} (V) Max	I _C (mA) @ I _C	C _{ob} (pF) Min Max Typ	f _t (MHz) Min Typ Max	I _C (mA) Max	t _{on} (ns) Max	NF @ Freq (dB) (MHz) Max	
2N2221	60	30	5	0.5	0.8		0.01	50			20 25 35 40 20 20		0.1 1 10 150 150 500	10 10 10 10 1 10	0.4 1.6	0.6 2.6	1.3 500	8	250	20		
2N2221A	75	40	6	0.5	0.8		0.01	60			25 40 35 25 20 20		500 150 10 1 0.1 150	10 10 10 10 10 1	0.3 1	0.6 2	1.2 500	8	250	20	285	
2N2222	60	30	5	0.5	0.8		0.01	50			30 50 100 75 50 35		500 150 150 10 1 0.1	10 1 10 10 10 10	0.4 1.6	0.6 2.6	1.3 500	8	250	20		
2N2222A	75	40	6	0.5	0.8		0.01	60			40 50 100 75 50 35		500 150 150 10 1 0.1	10 1 10 10 10 10	0.3 1	0.6 2	1.2 500	8	250	20	285	4
2N2368	40	15	4.5	0.36	0.2		0.4	20			20 10	60 100	10 2	0.25	0.7	0.85	10	4	400	10		
2N2369	40	15	4.5	0.36	0.2		0.4	20			20 40	100 120	2 1	0.25	0.7	0.85	10	4	500	10	30	
2N2369A	40	15	4.5	0.36	0.2				0.4	20	20 30 40 40	100 30 120 10	1 0.4 1 0.35	0.2 0.25 0.5	0.7 1.15 1.6	10 30 100	4	500	10	18		