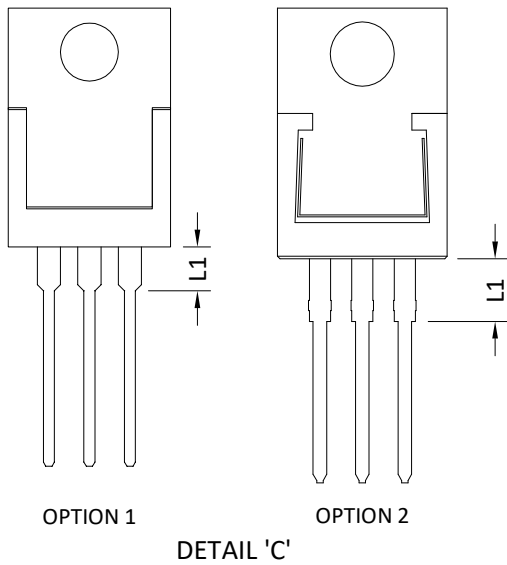
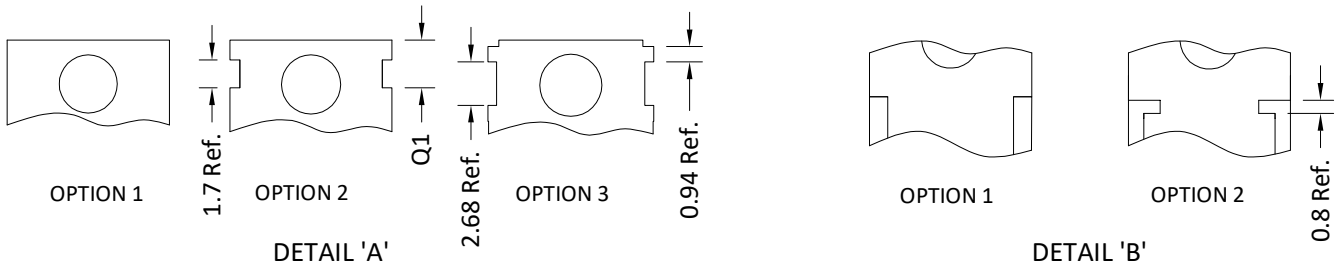
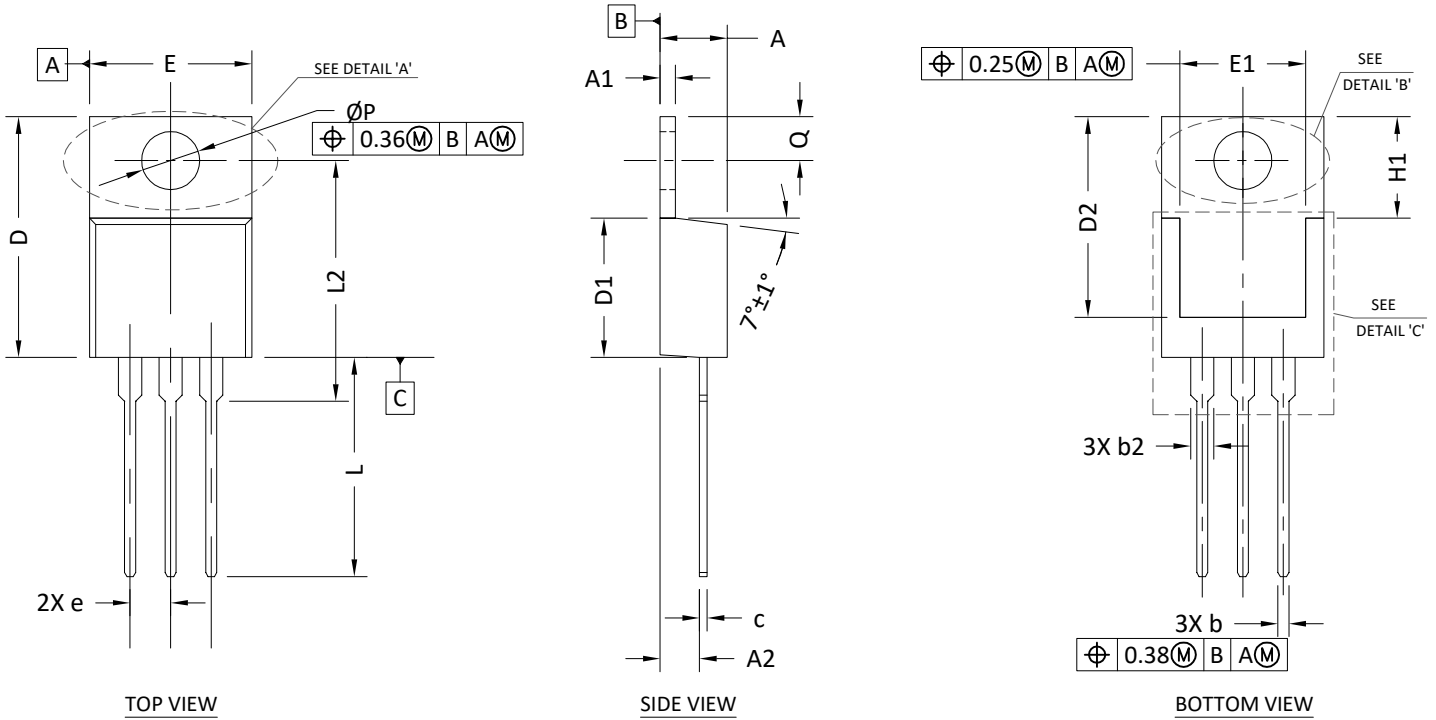
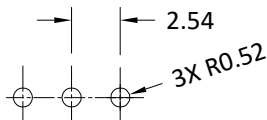


TO220 PACKAGE OUTLINE



RECOMMENDATION OF HOLE PATTERN



UNIT: mm

SYMBOLS	DIM. IN MM			DIM. IN INCH		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A	4.300	4.450	4.770	0.169	0.175	0.188
A1	1.150	1.270	1.420	0.045	0.050	0.056
A2	2.200	2.670	2.900	0.087	0.105	0.114
b	0.690	0.810	0.960	0.027	0.032	0.038
b2	1.170	1.370	1.470	0.046	0.054	0.058
c	0.300	0.380	0.600	0.012	0.015	0.024
D	14.500	15.440	15.800	0.571	0.608	0.622
D1	8.500	9.140	9.650	0.335	0.360	0.380
D2	11.430	11.730	12.800	0.450	0.462	0.504
e	2.54BSC			0.1BSC		
E	9.660	10.030	10.540	0.380	0.395	0.415
E1	6.220	-----	-----	0.245	-----	-----
H1	6.100	6.300	6.500	0.240	0.248	0.256
L	12.270	12.820	14.270	0.483	0.505	0.562
L1(OPTION1)	2.470	-----	3.900	0.097	-----	0.154
L1(OPTION2)	2.470	-----	4.100			
L2	-----	-----	16.700	-----	-----	0.657
ØP	3.500	3.840	3.990	0.138	0.151	0.157
Q	2.540	2.740	2.940	0.100	0.108	0.116
Q1	2.700	-----	2.900	0.106	-----	0.114

NOTE

1. PACKAGE BODY SIZES EXCLUDE MOLD FLASH AND GATE BURRS. MOLD FLASH SHOULD BE LESS THAN 6 MIL.
2. TOLERANCE 0.100 MILLIMETERS UNLESS OTHERWISE SPECIFIED.
3. CONTROLLING DIMENSION IS MILLIMETER. CONVERTED INCH DIMENSIONS ARE NOT NECESSARILY EXACT.