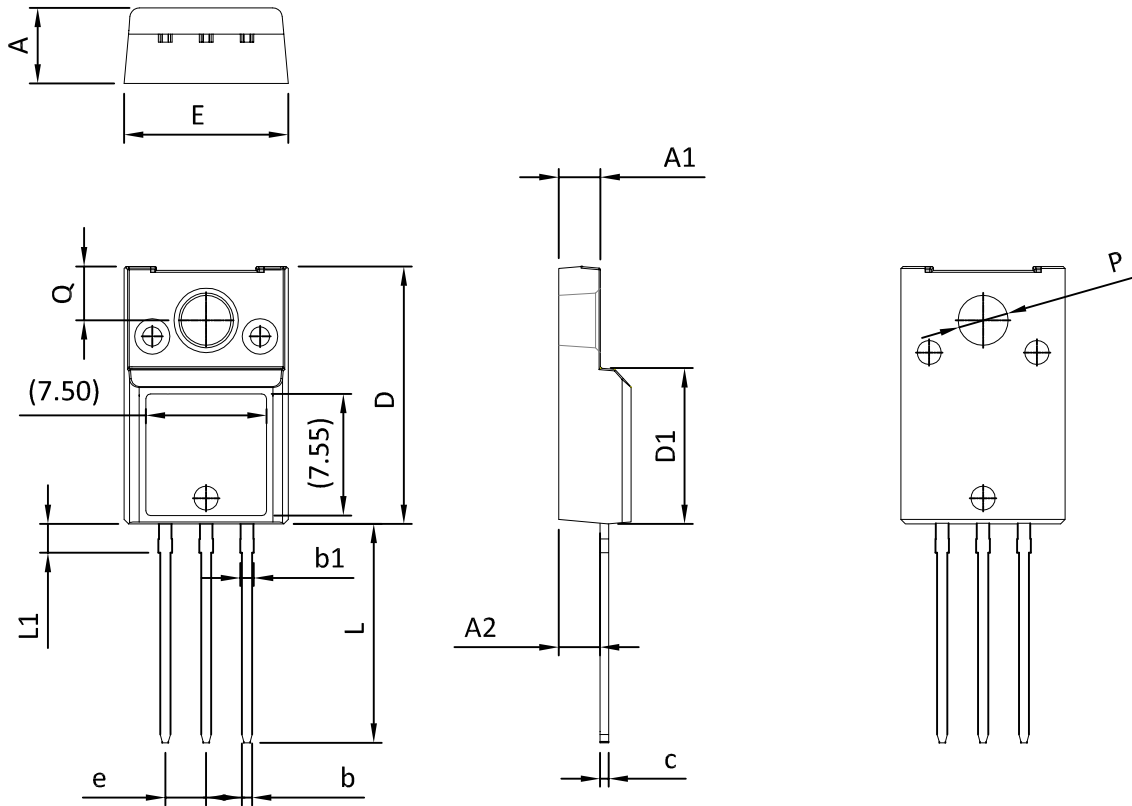
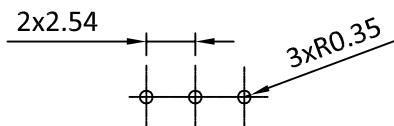




TO220FNL PACKAGE OUTLINE



RECOMMENDATION OF HOLE PATTERN



UNIT: mm

SYMBOLS	DIMENSION IN MM			DIMENSION IN INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	4.60	4.70	4.80	0.181	0.185	0.189
A1	2.50	2.63	2.70	0.098	0.104	0.106
A2	2.47	2.61	2.67	0.097	0.103	0.105
b	0.56	0.63	0.70	0.022	0.025	0.028
b1	0.70	0.82	0.90	0.028	0.032	0.035
c	0.46	0.52	0.60	0.018	0.020	0.024
D	15.80	15.99	16.20	0.622	0.630	0.638
D1	9.58	9.60	9.80	0.377	0.378	0.386
E	10.00	10.05	10.40	0.394	0.396	0.409
e	2.54 BSC			0.100 BSC		
L	13.40	13.64	13.80	0.528	0.537	0.543
L1	1.70	1.84	1.90	0.067	0.072	0.075
P	3.00	3.18	3.20	0.118	0.125	0.126
Q	3.25	3.37	3.45	0.128	0.133	0.136

NOTE:

1. THE MOLD BODY IS THE MATTE SURFACE, AND THE REST SURFACE AND THIMBLE ARE THE GLOSSY SURFACE.
2. THE VALUES INSIDE () ARE REFERENCE VALUES, AND THOSE WITHOUT TOLERANCE ARE ± 0.1 , THE ANGULAR TOLERANCE IS $\pm 1^\circ$.
3. DIMENSIONS EXCLUDE BURRS, MOLD FLASH, AND TIE BAR PROTRUSIONS.
4. CONTROLLING DIMENSION IS MILLIMETER. CONVERTED INCH DIMENSIONS ARE NOT NECESSARILY EXACT.