



POS	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	.160	.190	4.31	4.57
b	.023	.037	0.58	0.94
C1	.015	.022	0.38	0.56
D	.560	.590	14.22	14.99
E	.385	.415	9.78	10.54
e	.045	.055	1.14	1.40
e1	.295	.305	7.49	7.75
e3	.015	.025	0.38	0.64
F	.045	.055	1.14	1.40
H1	.234	.258	5.94	6.55
J1	.090	.115	2.29	2.92
ϕP	.146	.156	3.71	3.96
Q	.103	.113	2.62	2.87
L	.540	.560	13.72	14.22
α	3°	7°	3°	7°
U	.30 REF		7.62 REF	
V	.24 REF		6.10 REF	

NOTE:
 1. DIMENSION APPLY FOR TIN PLATE AND SOLDER PLATE FINISH.
 2. J1 DIMENSION TO BE COVERED BY FINAL VISUAL OUT GOING SPEC. CSM-220-017 (i.e Y-AXIS BEND LEAD ALLOWED FOR 1 LEAD THICKNESS.

REV	POS	DESCRIPTION	DATE	BY	APPD
D	---	REVISED DIMENSION 'A'	2007-06-20	SH LOO	
C	---	REVISED DIMENSION 'U', 'n', 'V'	2003-03-17	MC AMY	
B	---	CHANGED LOGO	2002-04-20	MC AMY/ MMW	

TOLERANCES (INCH/ MM)		FINISHING	
FRAC	<input checked="" type="checkbox"/>	SYMBOL	
DECIMALS	<input checked="" type="checkbox"/>	ANGLE	<input checked="" type="checkbox"/>
ANGLE	<input checked="" type="checkbox"/>		

MATERIAL	QTY	SCALE	N.I.S
H R C	DATE		
DESIGNED	DATE		
DWN	DATE		
CHKD	DATE		
APPD	DATE		
DWG NO	TLCG220003	REV	D

TITLE	REF :
TO220 7L PKG OUTLINE	CUSTOMER SPECIFICATIONS
	SHEET NO : 1 OF 1

