



POS	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	.160	.190	4.31	4.57
b	.025	.040	0.63	1.04
C1	.014	.022	0.36	0.56
D	.560	.590	14.22	14.99
E	.385	.415	9.78	10.54
e	.062	.072	1.57	1.83
e1	.263	.273	6.68	6.93
e3	.030	.040	0.76	1.02
F	.045	.055	1.14	1.40
H1	.234	.258	5.94	6.55
J1	.090	.115	2.29	2.92
phi P	.146	.156	3.71	3.96
Q	.103	.113	2.62	2.87
L	.540	.560	13.72	14.22
alpha	3°	7°	3°	7°
U	.30 REF		7.62 REF	
V	.24 REF		6.10 REF	

NOTE:
 1. DIMENSION C1 APPLY FOR TIN PLATE FINISH.
 2. FOR SOLDER DIP LEAD FINISH, DIMENSION C1 SHOULD BE .015"-.027"(0.38-0.69MM).
 3. J1 DIMENSION TO BE GOVERNED BY FINAL VISUAL OUTGOING SPEC, CSM-220-017 (i.e. Y-AXIS BEND LEAD ALLOWED FOR 1 LEAD THICKNESS.

REV		POS	DESCRIPTION	DATE	BY	APPD	TOLERANCES (INCH/MM)		FINISHING		MATERIAL		QTY	SCALE	N.T.S	 Carsem Your Technology Partner		
D	---	---	REVISED DIMENSION 'A'	2007-04-20	SH LOO		FRAC	X	DECIMALS	X	---	H R C	---	---	---	---	TITLE TO220 5L PKG OUTLINE REF : CUSTOMER SPECIFICATIONS SHEET NO : 1 OF 1	
C	---	---	REVISED DIMENSION 'U' 'n' 'V'	2003-FEB-17	GC JAY/ MC SHS		±	X	---	---	---	DESIGNED	---	---	---			
B	---	---	CHANGED LOGO	2002-04-29	MC LOO/ MMW		ANGLE	XX	---	---	---	DWN	---	---	---			
---	---	---					---	XXX	---	---	---	CHKD	---	---	---			
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