

Advanced Measurement Labs., Inc.
 Sun Valley, CA Cincinnati, OH
1 800 2 CMM LAB, amlinc@cmminspection.com
 (1-800-226-6522)

CUSTOMER NAME
 PART # 12345 REV.XX
 NAME OF PART CASTING

SAMPLE "A"

REPORT # 1234
 DATE
 PAGE 1 OF 1

REPORT SUMMARY

ITEM	DIMENSION	TOL.	ZONE	ACTUAL	DEV.	REMARKS
1	.570	± .010	1A2	0.5711 0.5715 0.5713 0.0004 0.00014 23.00 19.99		MINIMUM MAXIMUM AVERAGE RANGE STDEV Cp Cpk
2	Ø 1.053	± .030	1B2	1.0572 1.0589 1.0580 0.0017 0.00062 16.03 13.38		MINIMUM MAXIMUM AVERAGE RANGE STDEV Cp Cpk
3	R .05 (4)	± .010	1B2	0.0500		TYPICAL, S/N: 1 - 10
4	R 1.0	± .03	1B1	1.0000 TYP.		TYPICAL, S/N: 1 - 10
5	3.871	± .005	1D1	3.8755 3.8760 3.8758 0.0005 0.00021 8.06 0.40		MINIMUM MAXIMUM AVERAGE RANGE STDEV Cp Cpk
6	3.683	REF	1D2	REF. DIMENSION		
7	.732	± .005	1E2	0.7330 0.7338 0.7333 0.0008 0.00027 6.21 4.58		MINIMUM MAXIMUM AVERAGE RANGE STDEV Cp Cpk

Deviation

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Item Number:	1	Minimum	0.5711
Blueprint Dimension:	.570	Maximum	0.5715
Blueprint Tolerance:	± .010	Average	0.5713
USL	0.580	Range	0.0004
LSL	0.560	STDEV	0.00014
		Cp	23.00
		Cpk	19.99

S/N	Actual	Dev.	Remarks
1	0.5711		
2	0.5713		
3	0.5715		
4	0.5714		
5	0.5713		
6	0.5711		
7	0.5715		
8	0.5714		
9	0.5713		
10	0.5712		

Item Number:	2	Minimum	1.0572	Deviation
Blueprint Dimension:	Ø 1.053	Maximum	1.0589	
Blueprint Tolerance:	± .030	Average	1.0580	
USL	1.083	Range	0.0017	
LSL	1.023	STDEV	0.00062	
		Cp	16.03	
		Cpk	13.38	

S/N	Actual	Dev.	Remarks
1	1.0589		
2	1.0576		
3	1.0572		
4	1.0574		
5	1.0584		
6	1.0574		
7	1.0585		
8	1.0584		
9	1.0574		
10	1.0585		

Item Number:	5	Minimum	3.8755	Deviation
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Blueprint Dimension:	3.871	Maximum	3.8760
Blueprint Tolerance:	± .005	Average	3.8758
USL	3.876	Range	0.0005
LSL	3.866	STDEV	0.00021
		Cp	8.06
		Cpk	0.40

S/N	Actual	Dev.	Remarks
1	3.8755		
2	3.8760		
3	3.8755		
4	3.8759		
5	3.8759		
6	3.8758		
7	3.8756		
8	3.8755		
9	3.8758		
10	3.8760		

Item Number:	7	Minimum	0.7330	Deviation
Blueprint Dimension:	.732	Maximum	0.7338	
Blueprint Tolerance:	± .005	Average	0.7333	
USL	0.737	Range	0.0008	
LSL	0.727	STDEV	0.00027	
		Cp	6.21	
		Cpk	4.58	

S/N	Actual	Dev.	Remarks
1	0.7330		
2	0.7338		
3	0.7334		
4	0.7331		
5	0.7330		
6	0.7335		
7	0.7331		
8	0.7333		
9	0.7336		
10	0.7333		