



Coors Technical Ceramics Co.
 Tennessee Operations
 1100 Commerce Park Dr
 Oak Ridge, Tennessee 37830
 (423) 481-8021
 Fax: (423) 481-8022

Customer: Q-source Inc.

Part Number: 81001-01 ^{LC}
 Inventory Card Number: 382621

Revision: C

Order Number:
 P.O. Number:
 Sequence Number:

Powder Type: AD 995
 Powder Batch: 98000
 Firing Number: 98000

Equipment Used	Nominal	Tolerance	Measurement
Indicator & Leveling Fixture	Flat -A-	.002	.0017
Height Gage	.625	±.001	.6256
Comparator	.06 x 45° all edges	±.010 x ± 1°	.06 x 45°
Gage pins/Comparator	.032	±.001	.032
CMM	.064 slot	+ .002/- .000	Cmm Report
CMM	Perpendicular to -A-	.005	Cmm Report
Height Gage	.125	+ .005/- .000	.126
Comparator	Parallel to -A-	.002	.002
Comparator	.005 R Max	.005 Max	.002
CMM	.750	+ .005/- .000	Cmm Report
CMM	Perpendicular to -A-	.005	Cmm Report
CMM	Concentricity -B-	.002	Cmm Report
CMM	.375 -B-	+ .005/- .000	Cmm Report
CMM	Perpendicular to -A-	.005	Cmm Report
Height Gage	.312	+ .005/- .000	.315
Height Gage	.500	+ .010/- .000	.501
Comparator	Parallel to -A-	.002	.002
CMM	24.000 ref	±.005	Cmm Report
CMM	2.000 ref	±.005	Cmm Report
CMM	16.850	+ .000/- .020	Cmm Report
CMM	8.425	+ .000/- .010	Cmm Report
CMM	1.000 ref	±.005	Cmm Report
CMM	12.000 ref	±.005	Cmm Report

Note 1: break all edges

#1 This is to certify that the items listed above were manufactured & inspected in accordance with Coors Technical Ceramics - Tennessee Division and Customers applicable quotes, drawings and specifications unless otherwise noted. All inspection & test records are on file for examination to substantiate conformance and are open for customer review.

Inspector Signature Eddie Burris

Signature Typed In: Eddie Burris

Date: 11/07/98

COORS TECHNICAL CERAMICS
 1100 COMMERCE PARK DRIVE
 OAK RIDGE, TENN. 37830
 (FAX) 423-481-8022
 423-481-8021

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:  DATE           : 11/ 3/98           :  Program name   : K:TITLE       :
=====
:  TIME           : 13:55:48           :  OPERATOR       : LIZZ           :
=====
:  FILE NUMBER    : 382423           :  ACCEPT/REJECT  :            SP :
=====
:  REWORK ACCEPT  :                   :  CMM 706       :                :
=====
:  Q SOURCE PROPRI :                   :  81001-01      :                :
=====
:  REV. C         :                   :                :                :
=====
  
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no	sym	actual	nominal	u_tol/tp	l_tol/epd	dev	out of tol
N0028	A5 X	TOLERANCE 8.4172	8.4250	0.0000	-0.0100	-0.0078	I***.---I
N0029	A5 Y	TOLERANCE 1.0005	1.0000	0.0050	-0.0050	0.0005	I---. * ---I
N0030	A5 DIA	TOLERANCE 0.7515	0.7500	0.0050	-0.0000	0.0015	I---. ** ---I
N0031	A5 CONC	TOLERANCE 0.0000	0.0020				I---I
N0033	A6 X	TOLERANCE 8.4170	8.4250	0.0000	-0.0100	-0.0080	I***.---I
N0034	A6 Y	TOLERANCE 1.0007	1.0000	0.0050	-0.0050	0.0007	I---. * ---I
N0035	A6 DIA	TOLERANCE 0.7491	0.7500	0.0050	-0.0000	-0.0009	-0.0000 <i>ck</i>
N0036	A6 CONC	TOLERANCE 0.0004	0.0020				I*---I
N0038	A7 PERP	TOLERANCE 0.0014	0.0050				I**---I
N0040	A8 X	TOLERANCE 8.4167	8.4250	0.0000	-0.0100	-0.0083	I***.---I
N0041	A8 Y	TOLERANCE 1.0023	1.0000	0.0050	-0.0050	0.0023	I---. ** ---I
N0042	A8 DIA	TOLERANCE 0.3769	0.3750	0.0050	-0.0000	0.0019	I---. ** ---I
N0044	A9	TOLERANCE					

no	sym	actual	nominal	u_tol/tp	i_tol/eod	dev	out of tol
	PERP	0.0032	0.0050				I***-1
N0046	A10	TOLERANCE					
	X	16.8376	16.8500	0.0000	-0.0200	-0.0124	I-***.----I
N0048	A11	TOLERANCE					
	X	16.8380	16.8500	0.0000	-0.0200	-0.0120	I-***.----I
N0050	A12	TOLERANCE					
	X	16.8382	16.8500	0.0000	-0.0200	-0.0118	I-***.----I