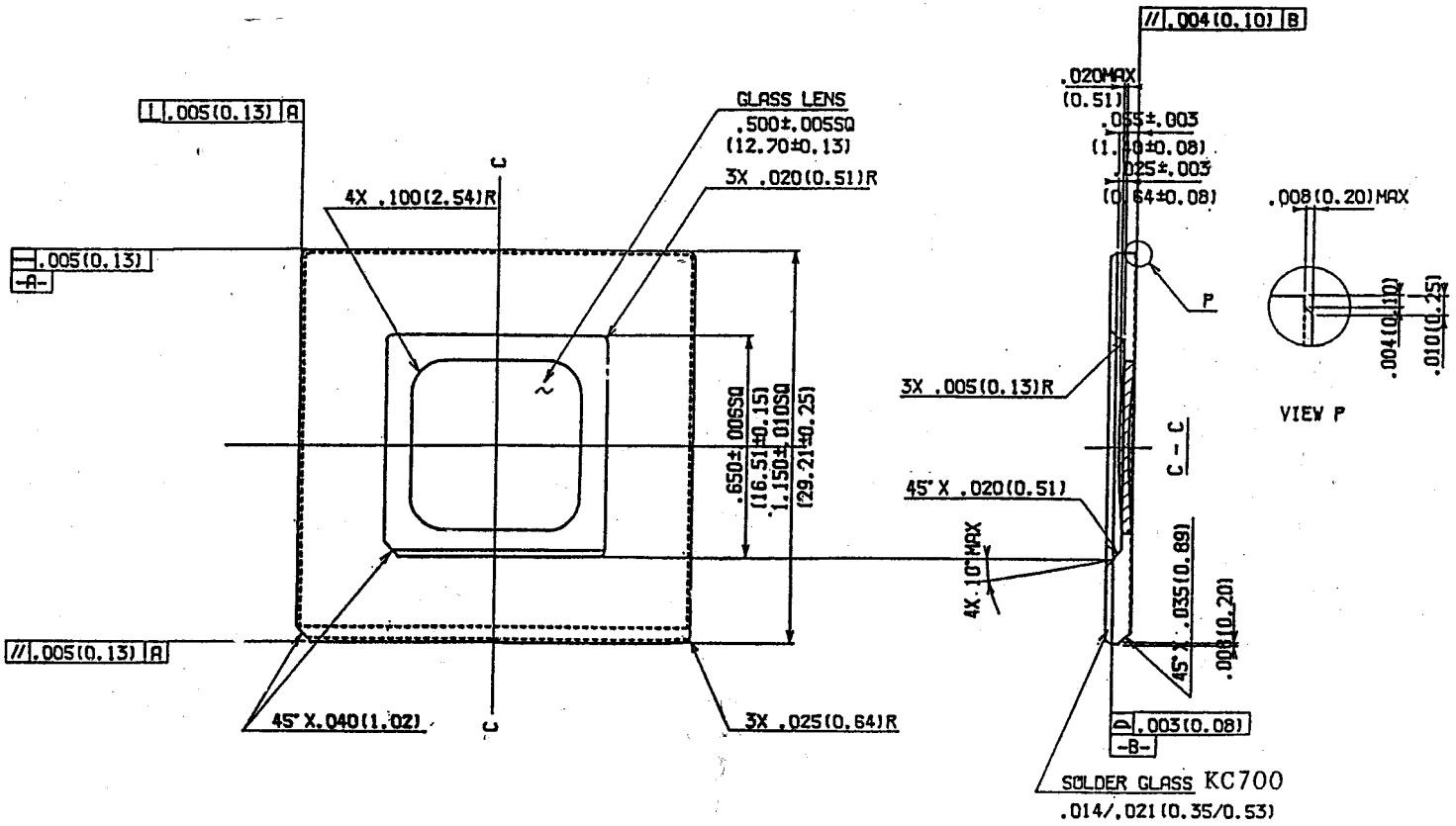
SSM P/N CQC08404



INCH(mm)

NAME		TOLERANCES:	DRAWN	CHECKED
84LD CERQUAD EPROMCAP 500SQ		UNLESS OTHERWISE SPECIFIED		
SCALE	MATERIAL		APPROVED	DATE
FREE	Al_2O_3 90%MIN(BLACK)			OCT. 03'89

KYOCERA CORPORATION | KYOTO JAPAN | DWG.# KKC-10831

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KC-700 DATA SHEET

1. CHARACTERISTICS

Transition Point (°C)	308
Deformation Point (°C)	324
Softening Point (°C)	342
Thermal Expansion Coefficient 40-250°C (x 10^{-6}/°C)	6.8
Specific Gravity (g/cc)	5.6
Dielectric Constant 1MHz, 25°C	12.5
Volume Resistivity $\log_{10}$ (Ω-cm) at 250°C	9.4
Dielectric Loss Tangent 1 MHz, 25°C	0.003
Acid Durability (mg/cm²) 1N HCL 25°C 5 min.	0.7
18N H_2SO_4 50°C, 5 min.	0.1
Thermal Conductivity 25°C (Cal/cm. sec. °C)	0.0028
Alpha Emission (α/cm²/hr.)	0.6

2. RECOMMENDED PRE-CLEANING

Steps	Solution	Temp.	Period
a. De-scaling	50% H_2SO_4	75°C - 95°C	1 min.
b. Tap water rinse		25°C	2 min. min.
c. Acid washing	10% H_2SO_4	25°C	10 seconds
d. Tap water rinse		25°C	2 min. min.
e. Distilled water rinse		25°C	2 min. min.
f. Tin plating		(see below)	

3. RECOMMENDED TIN PLATING CONDITION

3.1 Plating Solution
- Sulphuric Acid Bath
  - 105 cc/liter H_2SO_4
  - 30 gram/liter $SnSO_4$
  - 40 cc/liter Tinglo Culmo Starter Conc.
- Temperature of Plating Bath 17-21°C

3.2 Current Density – 1.4-2.5 Ampere/SQ DM (Square Decimeter)

3.3 Plating Time 10 Minutes Max.

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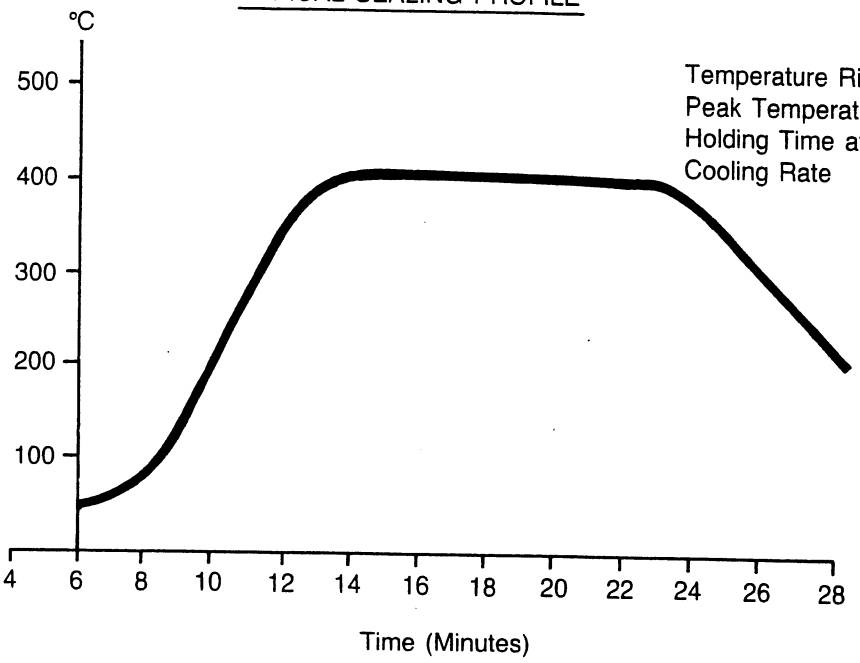
KC-700 DATA SHEET

TYPICAL SEALING PROFILE



Temperature Rise	40-90°C/Min
Peak Temperature	425-440°C
Holding Time at Peak	6-11 minutes
Cooling Rate	20-40°C/min.