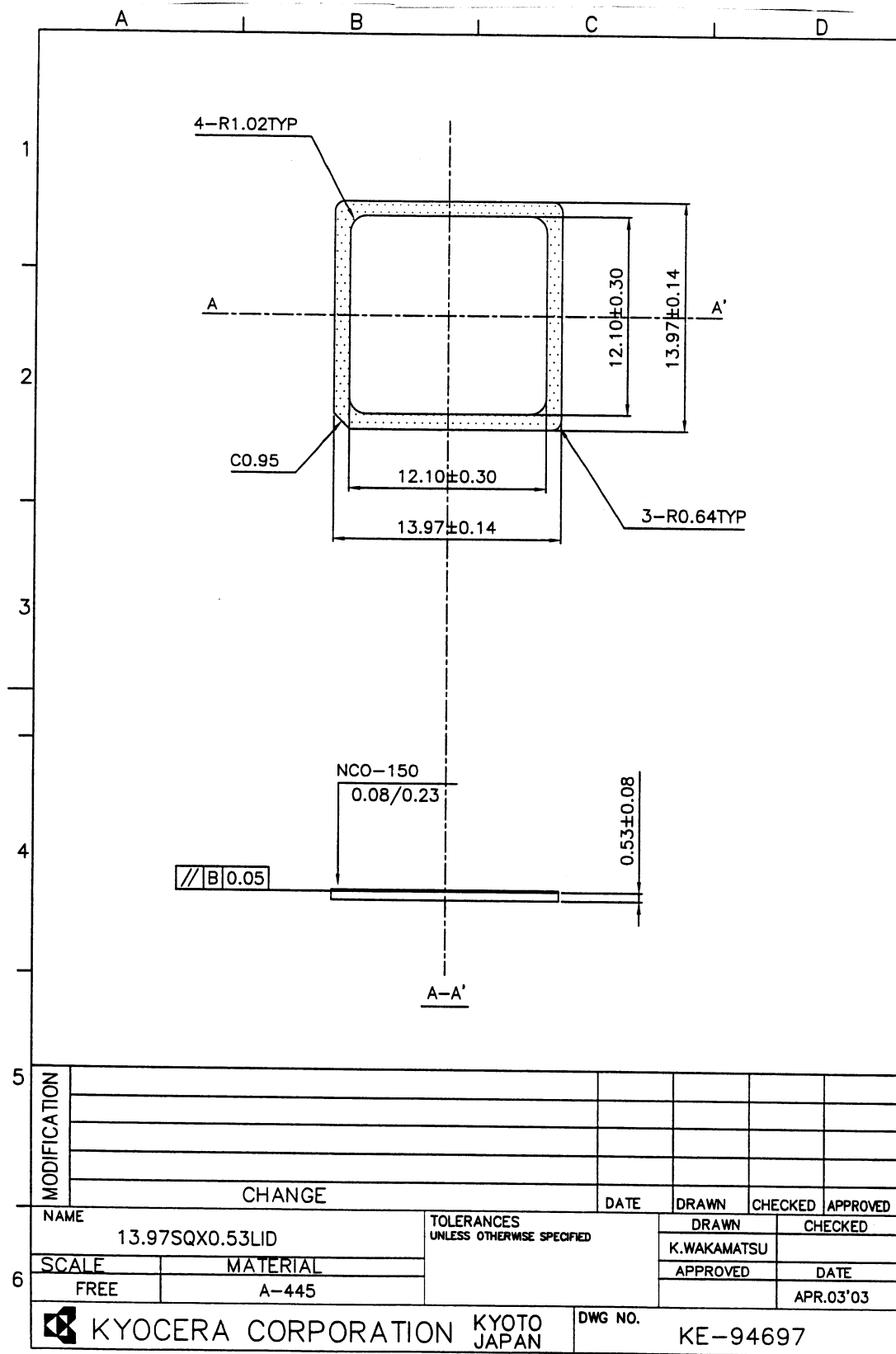


SSM P/N CQC06404



SPECTRUM
SEMICONDUCTOR MATERIALS, INC.

www.spectrum-semi.com Phone: 408-435-5555 Fax: 408-435-8226

TECHNICAL SHEET**Data Reference**KYOCERA CORPORATION KOKUBU PLANT
SEMICONDUCTOR COMPONENTS DIVISION 3

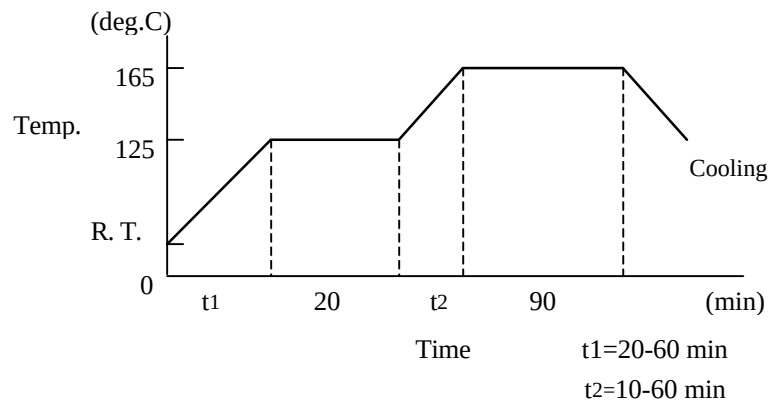
SEALANT NCO - 150

1	Physical Property		
	Item	Unit	Data
	Color	-	Clear
	Specific Gravity	-	1.5
	Shear Strength(NOTE.1)	MPa	40.21
	Coefficient of Thermal Expansion	1/deg.C x 10E-5	9
	Glass Transition Point	Deg.C	153
	Water Absorption	%	1.2 MAX
	Dielectric Constant	Epsilon(MHz)	6.10
	Loss Factor	Tan delta(1MHz)	0.022
	Thermal Conductivity	W/m*K	0.28
	Surface Resistivity	Ohm	3.5×10E14
Note	(NOTE.1)Curing Sample = Ceramic / Ceramic		

2	Reliability (Judgement =Gloss Leak Test)		
	Test Item	MIL-STD 883E	Judge(pcs)
	Temperature Cycle	1010-COND C	-65/150deg.C (40Cycles)
	Thermal Shock	1011-COND A	0/100deg.C (40Cycles)
	Impact Resistance	2002-COND B	14700m/s ² , 0.5ms, 5Times
	High Temp Storage	1008-COND C	150deg.C/1000Hr
	Low Temp Storage	-	-65deg.C/1000Hr
	High Temp & Humidity	-	85deg.C/85%RH, 1000Hr
	Pressure Cooker	-	121deg.C, 0.21Mpa, 50Hr
Note	Ceramic Curing (18.0mm SQ=Sealing Width 1.0mm)		

NCO-150

3 Curing Condition



Recommendable Loading : 98 K

*Temp. is at CAP Surface (=Epoxy resin).

*Please reconfirm the sealing completely done at pilot test.

4 Shelf Life (under the packing sealed conditions)

Temperature	0-5deg.C	6-20deg.C	21-27deg.C	28-35deg.C
Humidity	Less than 60%			
Duration	24 months	12 months	6 months	3 months

Shelf life shall be counted from shipping Date.

Storage Condition:

1. Kyocera recommend to store the product under the unpacking condition at 1-5 deg C (prohibited in freezer)
2. When using of the product,Kyocera recommend baking for removal moisture out by heat Treatment at 80deg.Cx30 minutes.
3. As for the product left over one week after opening,Kyocera recommend to store it at room temperature and humidity of 10% Max.