

# CERASOLZER

## TECHNICAL DATA NO.2

### Types and Applications of CERASOLZER and SUNSOLZER

CERASOLZER<Metallic Solder to bond Glasses and Ceramics>

Type	Melt Temperature(°C)	A p p l i c a t i o n	Adhesion
# 297	297	Glasses, Ceramics and hard-to-solder metals	Strong
# 246	246	Glasses, Ceramics Stainless steel and easy-to-solder metals (No Flux)	Medium
			Strong
# 224	224	Glasses, Ceramics Easy-to-solder metals (No Flux)	Medium
			Strong
# 186	186	Glasses, Ceramics Easy-to-solder metals (No Flux)	Medium
			Strong

CERASOLZER/ECO<Lead-Free/Metallic Solder to bond Glasses and Ceramics>

Type	Melt Temperature(°C)	A p p l i c a t i o n	Adhesion
# 217	217	Glasses, Ceramics Easy-to-solder metals (No Flux)	Medium
			Strong
# 182	182	Glasses, Ceramics Easy-to-solder metals (No Flux)	Medium
			Strong
# 155	155	Glasses, Ceramics Easy-to-solder metals (No Flux)	Medium
			Strong

## Possible Materials Cerasolzer can bond

### Glasses, Ceramics

- Soda lime glass
- Borosilicate Glass
- Quartz Glass
- Lead Glass
- Pyrex
- Vycor
- Optical Glass
- Liquid Crystal Glass
- Alumina
- Zirconia
- Silica
- Titania
- Beryllia
- Magnesia
- Mullite
- Forsterite
- Enamel
- Mica
- Ceramics
- Magnetic Material
- Dielectric Material
- Resistant Material
- Heating Material
- Ultrahard Material
- Heat Resisting Material
- Conductive Printing Paste (Ag, Cu Paste)
- Conductive Glass (SnO<sub>2</sub>, In<sub>2</sub>O<sub>3</sub>)

### Metallic Materials

- Silicon (Si)
- Germanium (Ge)
- Aluminum (Al)
- Titanium (Ti)
- Tantalum (Ta)
- Niobium (Nb)
- Tungsten (W)
- Molybdenum (Mo)
- Ruthenium (Ru)
- Zirconium (Zr)
- Beryllium (Be)
- Chrome (Cr)
- Gold (Au)
- Silver (Ag)
- Copper (Cu)
- Nickel (Ni)
- Zinc (Zn)
- Lead (Pb)
- Tin (Sn)
- Stainless Steel
- Kovar
- Inconel
- Nichrome
- Aluminum Alloy
- Copper Alloy
- Nickel Alloy
- Titanium Alloy
- Sintered Metal
- Magnetic Metal
- Semiconducting Material

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## SANWA COMPONENTS USA INC.

PO Box 9699 Canoga Park CA 91309-0699  
 Tel (858)427-0688  
 Fax (818)459-3908  
 E-mail: [Office@Sanwacomponents.com](mailto:Office@Sanwacomponents.com)