

Liquid Photoimageable Solder Mask

Model:KSM-S6189



Description:

KSM-S6189 is two-component , screen printing , high precision , lye-development solder mask ink. It is applicable to double-sided board and multi-layer board for making thin and intensive circuit. It has good screen printing adaptability and good surfacing. The post cured film provides excellent adhesion , resistance to chemicals and heat.

KSM-S6189 series of all the color ink has passed the safety certification of UL94 V-0. KSM-S6189 series has a variety of colors to choose , good color stability , good screen printing adaptability and excellent adhesion , high resistance to chemicals and heat. It has extensive operating conditions . This liquid photoimageable solder mask possesses easy operation and is wildly accepted.

Surface Treatment	Spray Tin	Fill with ink in the hole	Chemical plating Aurum	OSP	Chemical plating Tin
Adaptability	◎	○	◎	◎	○
Time of pre-baked (75°C)	40 min	50 min	60 min	70 min	80 min
Adaptability	◎	◎	○	△	×
Production capacity of the smallest solder-dam	2mil				

KSM-S6189 E series is low halogen environmental protection solder mask ink. The halogen content is below 600ppm. The ink has bright and stable color, good screen printing adaptability and high resistance to chemicals and heat , easy operation and environmental protection.

Surface Treatment	Spray Tin	Fill with ink in the hole	Chemical plating Aurum	OSP	Chemical plating Tin
Adaptability	◎	○	◎	◎	○
Time of pre-baked (75°C)	40 min	50 min	60 min	70 min	80 min
Adaptability	◎	◎	○	△	×
Production capacity of the smallest solder-dam	2mil				

KSM-S6189 tamponade series solder mask ink is dedicated to Aluminum slice , which has high solid content, good flow performance , low curing shrinkage and good compatibility with other series of Liquid photoimageable solder mask. The ink in the hole is full, flat, no dehiscence , light transmission and taphole break.

Surface Treatment	Spray Tin	Fill with ink in the hole	Chemical plating Aurum	OSP	Chemical plating Tin
Adaptability	◎	○	◎	◎	○
Time of pre-baked (75°C)	40 min	50 min	60 min	70 min	80 min
Adaptability	◎	◎	○	△	×
Production capacity of the smallest solder-dam	2mil				

P.S. : “◎”excellent , “○”good , “△”general , “×”poor

Specifications:

Items	Features	Notes
Color	Blue, ,Red,Black,White	About 50 types
Fineness	$\leq 8 \mu m$	0-25 μm Fineness gauge
Mix ratio	Base/Hardener = 3:1	Weight ratio
Solid content after mixing	75 \pm 3%	
	82 \pm 3%	Tamponade series
Viscosity after mixing(25degree centigrade)	200 \pm 30dPa . s	VT-04F
	300 \pm 50dPa . s	VT-04F,matt and tamponade series
Density after mixing(25 degree centigrade)	1.30-1.50g/ml	
Pot life after mixing	24hour	Store below 25 degree centigrade in dark
Environment standard	In compliance with RoSH directives	SGS testing
Halogen content	≤ 600 ppm	Only KSM-S6188 E series
Pre-barking limit	75 degree centigrade, 70min	
Exposure energy	300-600mj/ ²	The effective value through The polyester film
Package	Base:750g,Hardener:250g	Conventional package
	Base:3kg,Hardener:1kg	According to customer requirements
Shelf life	6 months since the date of manufacture	Store below 25 degree centigrade in dark

Made in China