

ADEKA ARKLS CBR series (Resin Black Matrix)

Feature

*Core
Technologies*

High
Resolution

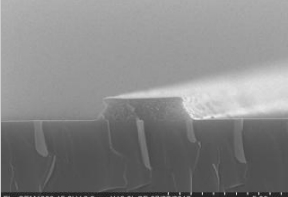
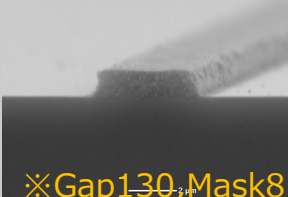
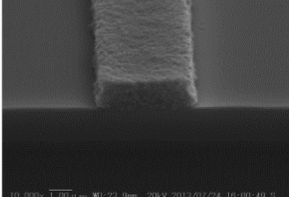
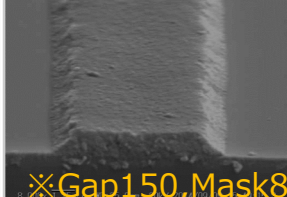
Hi-OD

Suitable for
MPA/Proximity

High
Adhesive

High
Taper Angle

High
resistivity

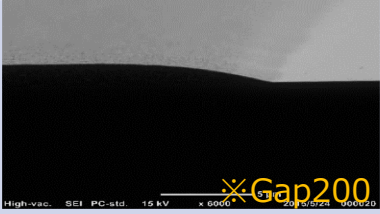
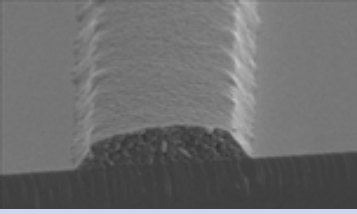
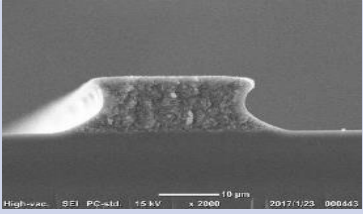
	Hi-R Type	Hi-R Type	Hi-OD Type	Hi-OD Type
Exp.Type	MPA	Proximity	MPA	Proximity
Exp.	30mJ~	40mJ~	30mJ~	40mJ~
C.D	3.5μm ~	6μm ~	3.5μm ~	6μm ~
OD (/μm)	4.0	4.0	4.5	4.5
Rs (10V)	>1.0E+14	>1.0E+14	-	-
Rv (10V)	>E+13	>E+13	-	-
SEM x10k (Mask6μm)				

✳Gap130,Mask8

✳Gap150,Mask8

ADEKA ARKLS CBR series (OGS type · Bank type)

(Under development)

	OGS type (Black)	Bank type (Black)	Bank type (White)
C.D	-	30μm	15μm
OD	>3.3 (THK1μm)	>6.0 (THK20μm)	0.9 (THK.8μm)
Developer	KOH type	TMAH0.04%aq	KOH type
Others	Rs(10V):>1.0E+14 Rv(10V):>1.0E+14	-	Contact angle >90°(H2O)
SEM			

ADEKA ARKLS CBR series (Low temperature process type)

(Under development)

	Standard type	Hi-OD type
C.D	9μm	10μm
OD	1.2 (THK.1.1μm)	2.7 (THK1.1μm)
Exp.	30mJ	60mJ
Developer	TMAH0.04%aq	←
Post bake	100°C or none	←
OM Profile	