



AVENTK

YOUR SOLUTION PROVIDER
Precision electronic component adhesive
solution provider



About US

AVENTK technology is committed to providing high quality, precision adhesive solutions for electronic components that meet stringent environmental protection requirements and industrial automation production requirements!The company has passed ISO9001.2015 quality system certification and ISO14000 environmental management system certification, and is a high-tech enterprise in Shanghai.

Applicable industries	camera modules (VCM/IR filters, etc.), security products, PCBA coating, loudspeakers, electronic assembly, medical devices, optical communication devices, printing, code spraying, etc.
Product type	UV curing glue, low temperature thermosetting glue, hot melt glue, catalyst curing glue, double curing glue and UVLED curing equipment.

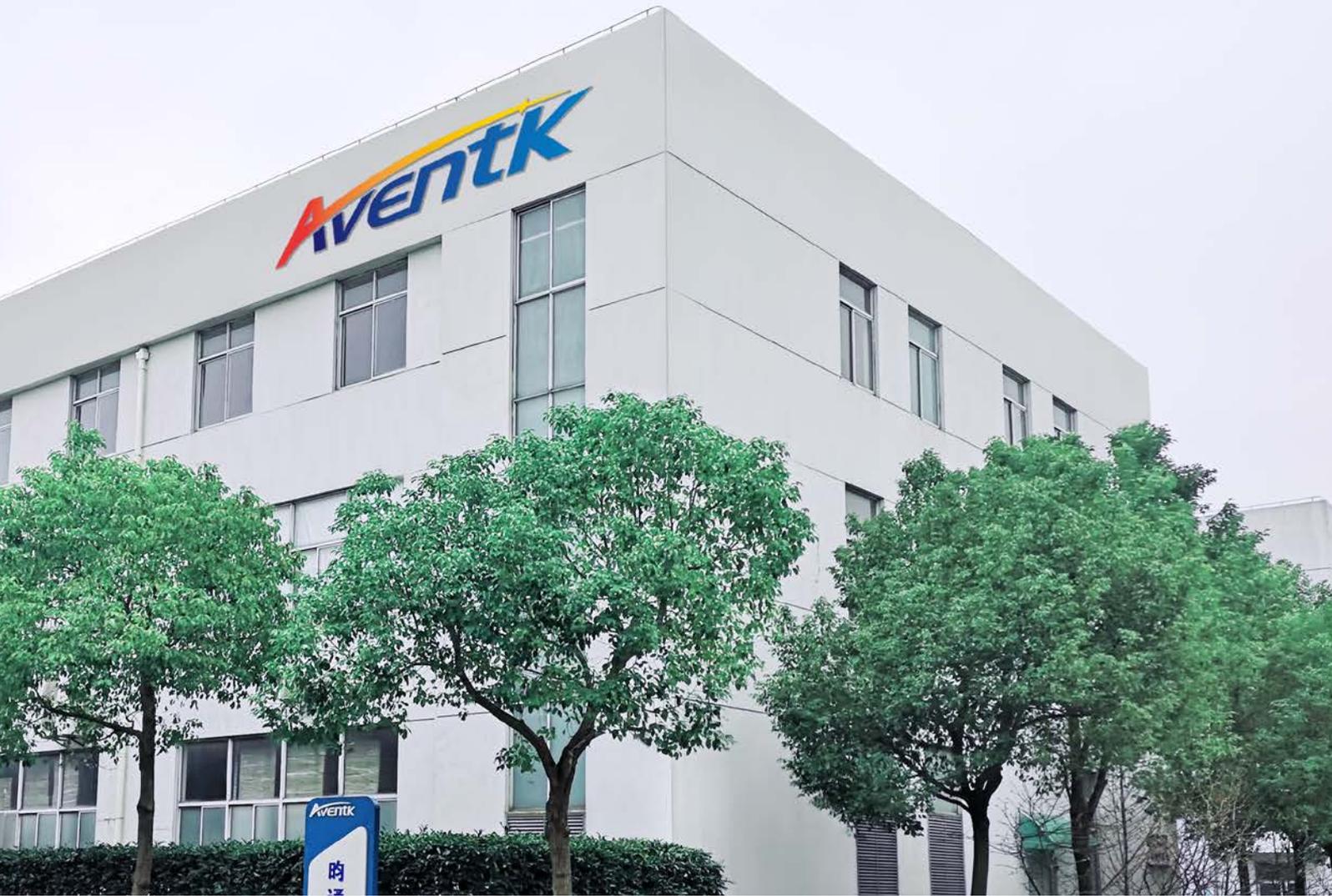
AVENTK prides itself on its professionalism and will continue to do so. We work hand in hand with customers to provide customized solutions, carefully discuss, elaborate design and repeatedly verify with each customer to ensure that the final product not only meets the performance requirements of specific applications, but also integrates lean into the production process to effectively solve customer concerns.

We are committed to providing customers with high quality products, customer service and technical support.



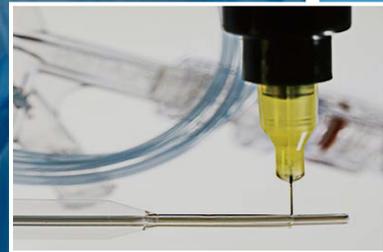
Quality and environment

The total quality system makes today's global market. Customers want quality assurance products, but they also want them to be made using safe, environmentally friendly technology. AVENTK focuses on quality and environment. Therefore, we take the initiative to adopt a series of extensive procedures to protect the environment and maintain a stable high quality.



Some cooperative customers

 HUAWEI			
 舜宇光学科技 SUNNY OPTICAL TECHNOLOGY		 Q Tech	 立訊精密工業
	 富士康科技集團		 Quanta Computer
			 瑞聲科技 AAC Technologies



Product introduction

AVENTK

Plastic adhesive

Product features

AVENTK UV glue, suitable for a variety of materials, including ABS, PMMA, PC, LCP, etc. Fast curing, strong adhesion, especially for LED cold light source, is the best choice for automatic assembly.

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
1015	11,000	D60	1.2	Visible light curing, suitable for a variety of plastic materials, including ABS, PMMA, PC, PU, etc.
1029	15,000	D65	1	Has a balanced bonding strength for plastics and metals; Suitable for PC, nickel-plated metal and aluminum bonding.
1030	6,000	D52	3.4	It is suitable for bonding PET .
4010	2,000	D75	2.9	LED low energy fast curing, can be used for optical fiber and plastic fast bonding

Temporary masking glue

Product features

AVENTK temporary masking adhesive, with strong oil resistance, corrosion resistance and insulation, can be used as temporary protection, after curing can be hydrolyzed or mechanical stripping removal, especially for metal parts surface treatment, specific parts of the process of protection.

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
6002	20	D65	-	It has certain adhesion to glass and chip, and can be used for temporary protection. After the protection is completed, it can be removed by rapid hydrolysis of normal temperature water.
6003	200 (V1)	D40	-	It can be used as temporary protection and can withstand normal temperature water washing. After the protection is completed, 80 °C hot water can be used for 3 minutes for rapid hydrolysis and removal.
6004	35000(V5)	A75	-	It is suitable for the temporary protection of glass, metal and PCB boards. It can withstand the high temperature spraying process and has no residue after stripping and removing.
6006	23000(V5)	A85	-	Suitable for the temporary protection of glass, metal and PCB boards, it can withstand high temperature spraying process, no residue after stripping and removal, light blue color.

Optical/glass bonding series

Product features

AVENTK UV optical adhesive is a high optical transparency adhesive with low shrinkage and resistance to yellowing. It is suitable for bonding various lenses and optical fiber components.

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
4001	150	D85	0.2	Low shrinkage epoxy system, resistant to cold and heat shock, good adhesion to glass, can be used for PLC optical fiber fixation
4002	500	D80	0.2	Modified epoxy system, strong adhesion to glass and plastic, excellent dry performance; High light transmittance, high Tg
4004	5,500/21,000	D60	1.9	Excellent adhesion to glass, plastics and metals, high light transmittance and viscosity balance
4012	550	D75	0.5	Excellent adhesion to glass and metal, high temperature and humidity resistance, can block 400nm uv, used for glass lens adhesion.
4016	20,000	D60	0.8	Optical bonding, glass, metal and plastic has a high bonding strength, high temperature and humidity resistance, low shrinkage optical bonding,
4029	50,000	D78	<0.1%	Optical bonding, has a very low curing shrinkage, suitable for optical positioning applications.

Thermal cure /UV+ thermal cure series

Product features

AVENTK hot cure /UV+ hot cure series, suitable for UV irradiation can not cure or not cure completely scene, this product is a single component, easy to automatic dispensing glue.High bonding strength, especially for difficult LCP materials. At the same time, the solidification rate of the glue was greatly improved, and the risk of precipitation and migration of small molecules was reduced.

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
1009	12,000	D80	1	Base/substrate bonding, 30 min @80°C thermosetting epoxy, black; Low shrinkage, excellent adhesion to LCP; Low oil formula.
1012	18000 (K4)	D80	1	UV+ low temperature heat curing black epoxy resin, screen frame; Good thixotropy, easy to shape;High bonding strength.
1099	8,000	D80	0.8	Low temperature thermosetting black epoxy, 40 min @95°C or 30 min @105°C; Curable in <10 micron gap;Low shrinkage, super adhesion to LCP (LCP failure); Low oil curing formula.
1126	31,000	D72	1	UV+ low temperature heat curing black epoxy resin, screen frame;Good thixotropy, easy to shape;High bonding strength.

PCBA

Product features

AVENTK UV adhesive is widely used for PCB protection under high temperature, humidity and corrosive gas environment. It can effectively resist moisture and high and low temperature impact. It has excellent adhesion to all kinds of soft and hard boards and components.

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
5001	50	D75	1.3	Circuit board protection, no organic solvent, 100% solid;It can solidify the shadow area with secondary moisture, and it has bright blue fluorescent color under black light, which is convenient for online detection.Meet UL standard.
1018	30000(V4)	D40	1.9	Visible light solidification, can resist moisture and high and low temperature impact, suitable for chip encapsulation, and soft board and hard board and all kinds of components by better adhesion.
1024	2,200	D60	1.6	Visible light curing, secondary heating and curing with blue fluorescence, convenient for online detection;Superior aging resistance, suitable for FPC soft board protection and bonding.
1025	39,000	D60	1.2	For PVC,PET,PC has good adhesion, thixotropy, can be used for chip four-corner binding.
1026	14,000	D45	1	Soft, good adhesion to all kinds of materials, such as metal, ceramic, glass, etc.It can be used for circuit board protection, shallow layer filling and sealing, in accordance with UL standard, and can be used for secondary heating and solidification of shaded area.
1044	25000(V5)	D40	2	Circuit board protection, no organic solvent, 100% solid;It can solidify the shadow area with secondary moisture, and it has bright blue fluorescent color under black light, which is convenient for online detection.Meet UL standard.

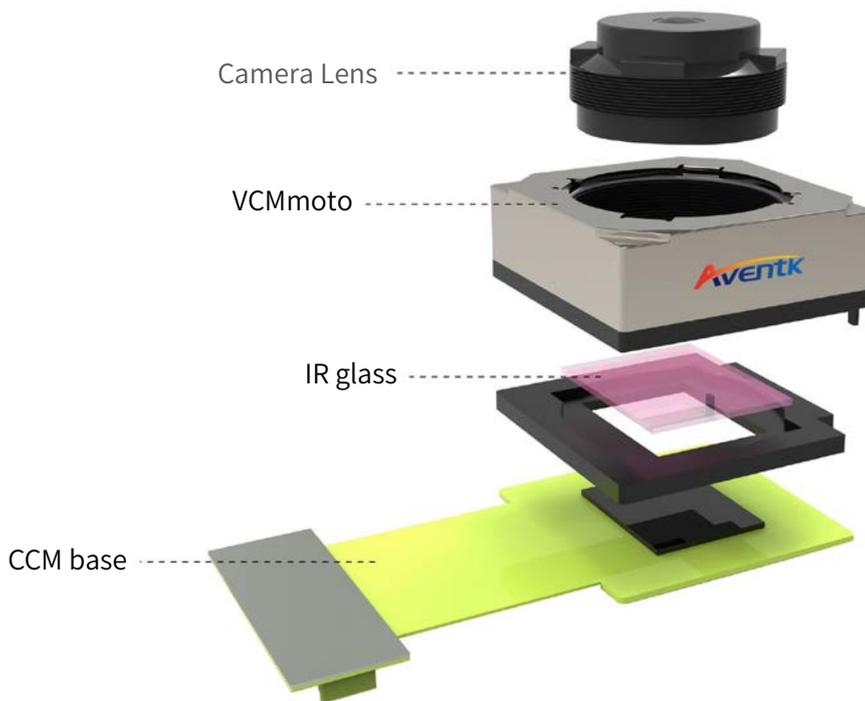
LCD

Product features

LCD display screen is widely used, but as a key component of display module, ITO is often easy to be corroded and lead to display failure. AVENTK UV glue can reliably protect this area.The product is easy to use, fast curing and easy to repair.

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
1098	7,200	D70	1.1	Narrow frame shading black gum; UV discoloration, transparent at first, change to black after curing; OD2.5@0.15mm; Completely solidify in 9 seconds; Excellent shading effect, perfect solution of UV black adhesive bottom curing problem; To glass, metal, polarizing film has a balanced adhesion.
1058	300	A75	1.4	COG waterproof protection, light blue, environmental protection without solvent, fast curing, easy to repair, can be completely stripped.
1097	6,000	D55	1.2	FPC reinforcement, good adhesion to glass and FPC; The viscosity and hardness are moderate.
1012	18000 (K4)	D80	1	UV plus low temperature thermosetting vinyl, screen frame; Good thixotropy, easy to shape; High bonding strength.

Guide for CCM module glue application



CCM模组

The phone camera glue application guide



Camera lens

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
1036	23,000	D80	1.1	High adhesion to PC; Light shading/anti-stray light; Meet the reliability requirements; Good workmanship
1100	17,000	D70	1.1	UV color-changing adhesive, high adhesion to PC, high OD value, light/anti-stray light; Meet the reliability requirements, good process



Lens fixed focus

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
1111	16000	D70	0.9	LENS screw-free glue;High reliability formula;High thrust;RA test for aging resistance, high temperature and humidity, UV/ visible light curing
1017X16	9500	D55	1.8	LENS focusing fixed;High reliability formula;High torque;High temperature and humidity resistance environment;UV/ visible light curing
1017X51	10,000	D70	1.1	LENS focusing fixed;Suitable for repair process;Proper torque;High temperature and humidity resistance environment;UV/ visible light curing



IR glass

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
1009	11,000	D80	1	Low temperature heat curing black glue has good adhesion to LCP, and IR film has no dirt after washing
1043	9,000	D80	0.8	Very low energy UV curing, high bonding strength, high temperature and humidity resistance
1090	25,000	D72	1.2	UV low energy curing, uniform bonding strength to IR glass and LCP, suitable for curing at 405nm
1099	8,000	D80	0.8	Low temperature curing black glue, high thrust, high strength adhesion to LCP



CCM base

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
1114	10000	D55	1.2	Pin protection, FPC reinforcement;Good repair, fluorescence detection;Blue, visible to the naked eye;Good reliability, good workmanship
1103系列	19000	D65	1.2	Bracket glue;Good adhesion of PC, LCP and metal;Easy to identify;Meet the reliability requirements;Can repair;Good workmanship
1017系列	24000	D55	1.2	Bracket glue;Good adhesion to PC, LCP and metal;Meet the reliability requirements;Easy to repair;Good workmanship
1009	12,000	D80	1	Base/substrate bonding, low temperature heat cured epoxy, black;Low shrinkage, excellent adhesion to LCP;Low yield oil formula
1068	23,000	D75	0.8	AA glue;UV/ low temperature thermal curing;Low shrinkage;Suitable dispensing ratio of width to height;High bonding strength;Resistance to high temperature, high humidity and low temperature impact

Others

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
1017X31	10000	D55	1.2	Pin/ solder joint protection, good repair;Milky white, visible to the naked eye;Good reliability, good workmanship
DP01	6,000	00-20	-	Dust catching glue;Excellent dust catching/dustproof ability;Withstand two fluid water washing;Fall prevention;The miscellaneous light;Ageing resistance;Good workmanship.The DP01R is a matte version
DP03	-	-	-	Sticky glue;Adsorption of white spots, hairs, and no residue;Suitable adhesive force, will not take up the module;No odor

Vehicle-mounted camera industry glue

Lens fixed focus

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
4004	8300	D60	1.9	Good adhesion to plastics and metals; Suitable for IR sheet bonding and screw cap locking; Meet the reliability requirements of the vehicle
1015	11,000	D60	1.2	Plastic lens bonding

Module

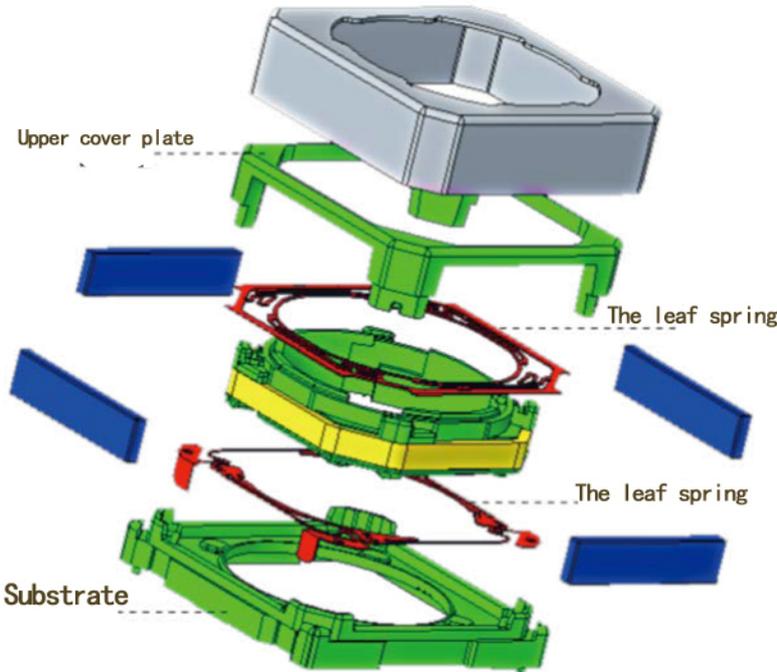
Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
1129	11000	D62	1.2	Fixed focus with thread; Good adhesion to PC, LCP and metal; Good reliability; Torque meets client requirements
1044	25000	D40	0.8	Chip dust separator adhesive; High thixotropic. Good adhesion to PCB board; Ageing resistance; Resistance to fall; Achieve automation
1012	75000	D70	0.2	PCB board and base bonding; High TG; Can work unceasingly under high temperature environment; Low shrinkage; Suitable for AA process

Security camera industry adhesive

Lens

Brand	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
1116	12000	D70	0.9	Good adhesion to PC and glass; Meet the industry thrust requirements; Withstand temperature shock aging test; Improve the defect rate
1090	25,000	D72	1.2	UV low energy curing, uniform bonding strength to IR glass and LCP, suitable for curing at 405nm
1130	20,000	D60	1.2	External bonding
1068	23,000	D75	0.8	AA glue; UV/low temperature thermosetting; Low shrinkage; Suitable dispensing ratio of width to height; High bonding strength; Withstand high temperature, high humidity, high temperature impact and other environmental tests
DP01	6,000	00-20	-	Dust catching glue; Excellent dust catching/dustproof ability; Withstand two fluid water washing; Resistance to fall; Prevent stray light; Ageing resistance; Good workmanship

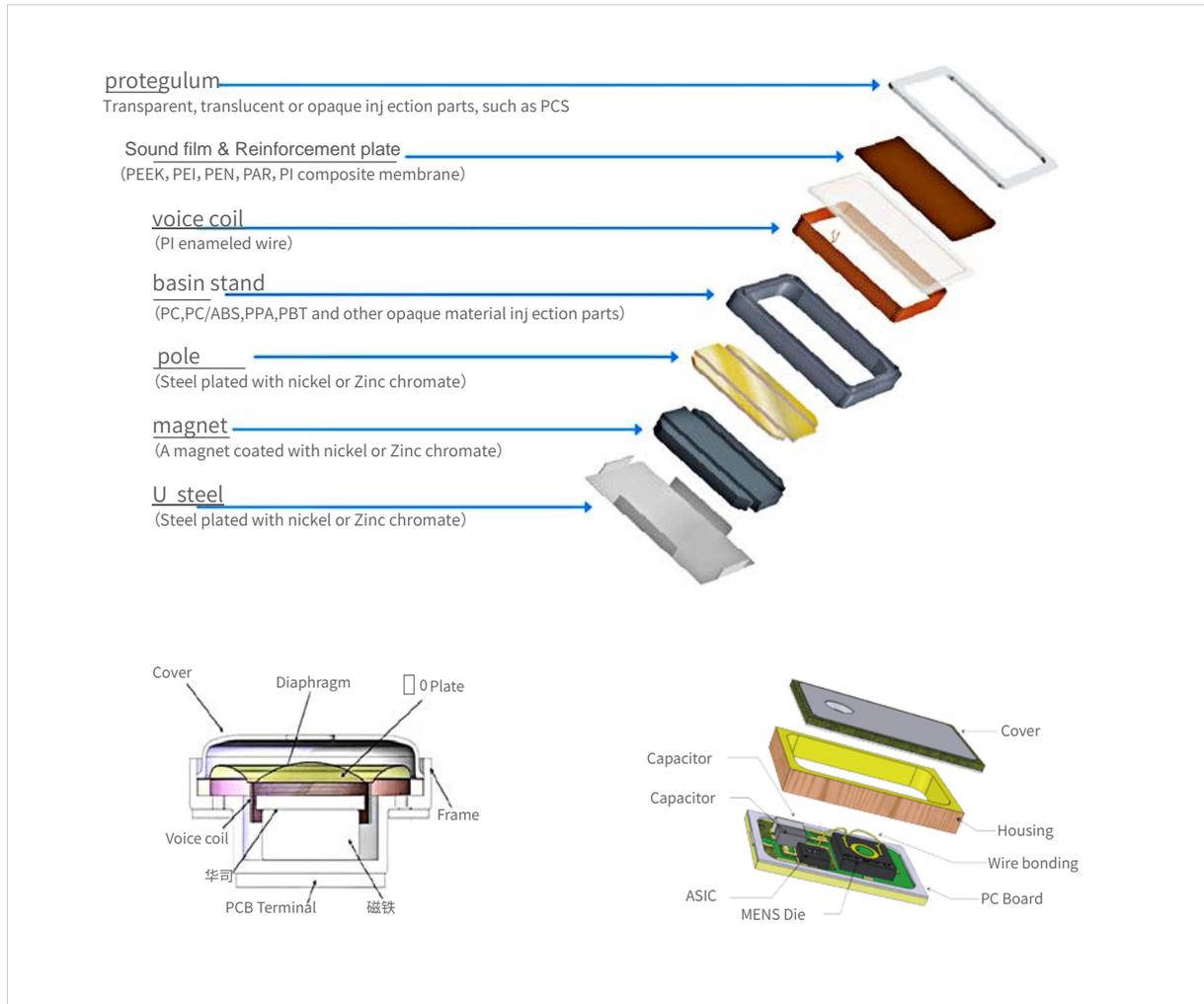
VCM module Glue Application Guide



VCM motor

1098	8,000	D80	0.8	VCM solder joint protection, color-changing black adhesive series;UV/ visible light curing, moisture resistance and high and low temperature impact
1050	85,000	D85	1	VCM bonding, thermosetting epoxy at low temperature, black;It can be cured in gaps less than 10 microns.Low shrinkage, excellent adhesion to LCP;Low yield oil formula
1099	8,000	D80	0.8	VCM bonding, thermosetting epoxy at low temperature, black;It can be cured in gaps less than 10 microns.Low shrinkage, super adhesion to LCP (LCP failure);Low yield oil curing formula
DP01	6,000	00-20	-	Dust catching glue;Excellent dust catching/dustproof ability;Withstand two fluid water washing;Resistance to fall;Prevent stray light;Ageing resistance;Good workmanship
1009	11,000	D80	1	Thermosetting black adhesive at low temperature has better adhesion to LCP
1060	48,000	0030	0.4	Damping adhesive, high thixotropy

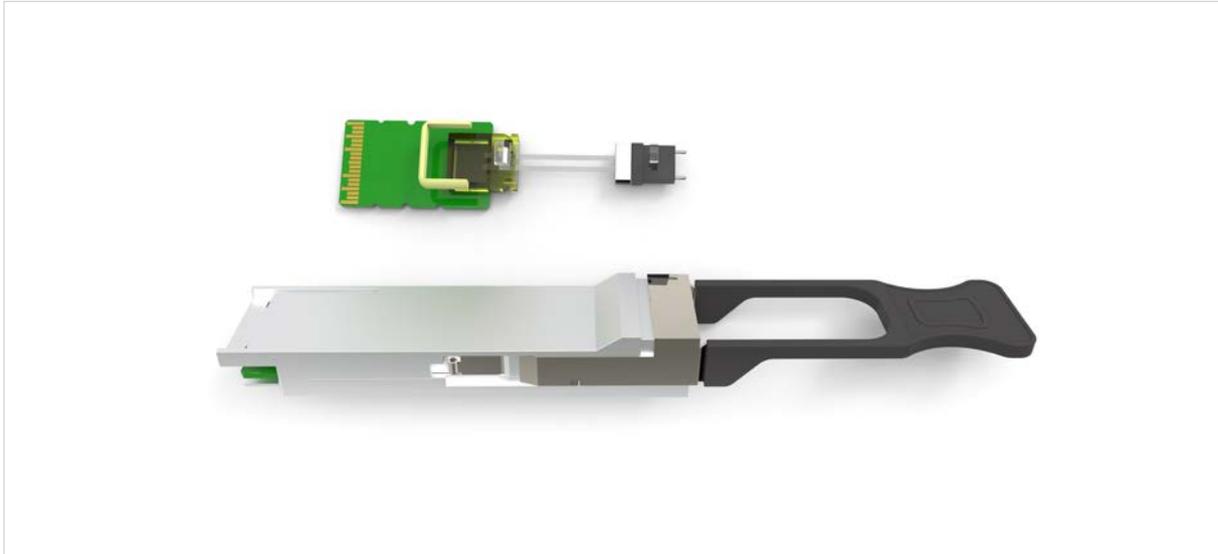
Glue scheme for loudspeaker and silicon microphone



Brand	Application point	Color	cPs@25°C	Shore Hardness	Linear shrinkage %	Curing method	Characteristics and applications
1007 series	cover plate bond to basin stand sound film bond to voice coil sound film is bond to basin frame	Blue/Red/ Colorless/ Fluorescent	50,000	D35-D50	1.20%	UV-curing	Series 1007 is a UV adhesive specially developed for the bonding of micro-speaker bracket and cover. The speed of glue curing is fast, and it can be cured completely in a few seconds. High bonding strength, stable chemical properties, good production consistency, environmental non-toxic
7001	Sound film damping adhesive	Red/colorless	40,000	00 45	1.50%	UV-curing	Soft, suitable for adhesive application of miniature horn
1018	Off-line film coating adhesive (1) Solder joint protection glue (2)	Colourless	4,500	D40	1.90%	UV curing +Heat curing	Encapsulation and protection of chips, components and solder joints
9034	Silicon/PCB	black	39,000	A40	-	Heat curing	Curing at 150°C for 30 minutes has excellent aging performance

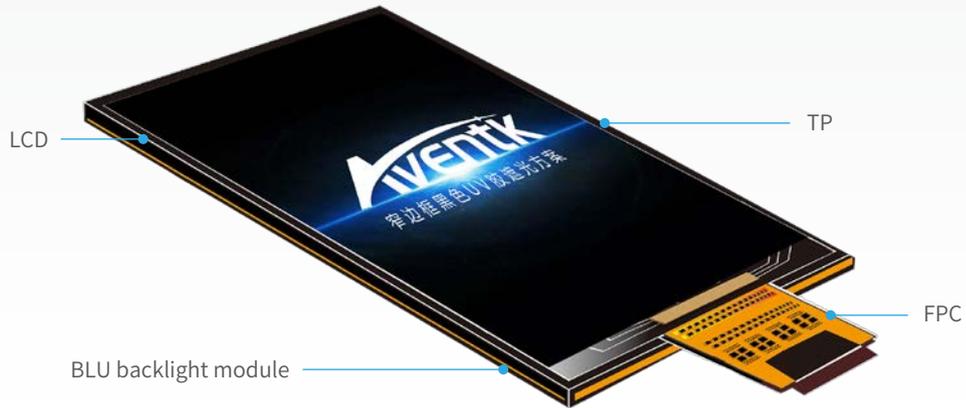
Note: The above products can be customized in color/fluorescence/viscosity according to customer requirements

Adhesive scheme for optical communication

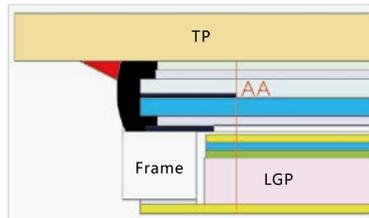


Brand	Application point	cPs@25°C	Shore Hardness	Linear shrinkage %	Characteristics and applications
4009	Isolater pre-curing and sealing	100,000	D82	0.1	Designed for precise positioning of lenses or other optical components, which can cure in seconds, speed up processing, increase production and reduce assembly costs;Low CTE, low CTE, low shrinkage;UV/ visible light curing
1112	Isolater reinforcement, Zblock reinforcement and periscope assembly	65,000	D90	-	Thermosetting epoxy adhesive, black;High strength, high reliability, low moisture absorption, low shrinkage;Excellent adhesion to PCB, LCP, glass, metal, etc
4034	The upper part is reinforced with glue, Isolater reinforcement, periscope reinforcement and glass window reinforcement	49,000	D90	0.2	UV+ low temperature thermosetting epoxy adhesive, available in transparent and black versions;High strength, high reliability, ultra low CTE
1017	Fixing of light module wire	14,000	D55	1.2	Can be used for plastic bonding, excellent adhesion for PVC, PET, PC, etc.UV/ visible light curing

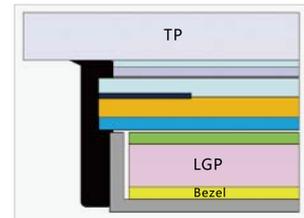
Narrow frame black UV adhesive shading scheme



Before and after the color change



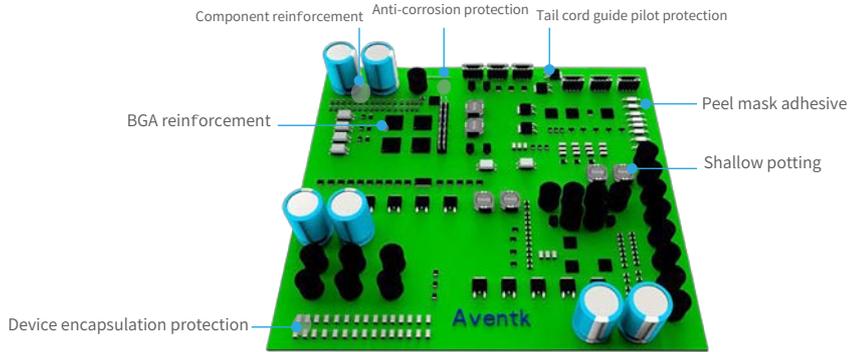
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Structure of b

Brand	Application point	Color	cPs@25°C	Curing method	Shore Hardness	Characteristics and applications
1098	Narrow border side shading seal	Transparent/black	7200 cp	UV	D70	OD=2.5@0.15mm, 15-second curing, transparent and colorless at the beginning, black after curing, excellent shading effect, perfect solution to the problem of glue bottom curing. To glass, metal, polarizers have a balanced adhesion, easy to repair
1097	FPC reinforcing	transparency	6000 cps	UV	D55	Good adhesion to glass and FPC, with moderate viscosity and hardness
1058	COG waterproof protection	wathet blue	300 cps	UV	A75	Environmentally friendly, solvent free, fast curing, easy to repair, can be completely stripped
1012	Border around	transparency	300000 cps	UV+thermosetting	D80	Good thixotropy, easy to shape, high bonding strength
1024	FPC solder joint protection	transparency	2200 cps	UV	D55	Moderate viscosity, good package of components, good adhesion to FPC soft board, fluorescent detection

Guide to PCBA Glue Application



PCBA

Brand	cPs@25°C	Shore Hardness	Linea shrinkage %	Characteristics and applications
5001	50	D75	1.3	Circuit board protection, no organic solvent, 100% solid;It can solidify the shadow area with secondary moisture, and it has bright blue fluorescent color under black light, which is convenient for online detection.Meet UL standard.
1018	30000(V4)	D40	1.9	Visible light solidification, can resist moisture and high and low temperature impact, suitable for chip encapsulation, and soft board and hard board and all kinds of components by better adhesion.
1024	2,200	D60	1.6	Visible light curing, secondary heating and curing with blue fluorescence, convenient for online detection;Superior aging resistance, suitable for FPC soft board protection and bonding.
1025	39,000	D60	1.2	For PVC,PET,PC has good adhesion, thixotropy, can be used for chip four-corner binding.
1026	14,000	D45	1	Soft, good adhesion to all kinds of materials, such as metal, ceramic, glass, etc.It can be used for circuit board protection, shallow layer filling and sealing, in accordance with UL standard, and can be used for secondary heating and solidification of shaded area.
1044	25000(V5)	D40	2	Circuit board protection, no organic solvent, 100% solid;It can solidify the shadow area with secondary moisture, and it has bright blue fluorescent color under black light, which is convenient for online detection.Meet UL standard.

UV transfer glue



Brand	Application point	Color	cPs@25°C	Shore Hardness	Linear shrinkage %	Curing method	Characteristics and applications
2007	PC/PET transfer printing	colorless and transparent	480	D90	3.1	UV-curing	Strong adhesion to PC/PET plate; Resistance to yellowing.Easy demoulding; Low curing energy
2013	GDM glass transfer printing	colorless and transparent	800	D85	0.4	UV-curing	Strong adhesion to glass; High refractive index; Easy to take off the PC membrane; Good weather resistance



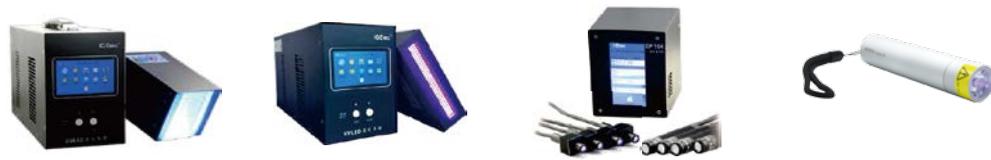
Curing equipment

- Super long service life more than 20,000 hours, simple maintenance, lower maintenance cost
- Stable light output, good uniformity, high curing efficiency
- High light intensity and adjustable light intensity
- User-friendly operation interface, equipped with communication I/O interface
- On or off, the set power output can be reached immediately
- Cold light source, no thermal radiation
- No heavy metal elements harmful substances, safety, environmental protection, energy saving

No thermal radiation
 Environmental protection and pollution free
 Very long operation life
 low-energy
 Super strong light

No thermal radiatio

AVENTK



Model	XM-210	XL-160	XP-104	Alpha20
Type	Surface light source	Line light source	Point light source	Point light source
The wavelength	365~405nm			
The light source area	100*100mm	20*160mm	Φ3/Φ6/Φ8/Φ10	φ20
The light intensity	1300mw/cm ²	3300mw/cm ²	1200mw/cm ²	2000mw/cm ²
Radiation pattern	Manual mode	Exposure time, exposure light intensity (0% to 100%)		
	Automatic mode	Irradiation time: 0~999.9 seconds, irradiation light intensity 0~100%		
	SPC mode	Irradiation time: 0~999.9 seconds, irradiation light intensity 0~100%		
External control	Communication methods	I/O port		
	External input	Irradiation begins/ends, emergency stop		
	External output	Irradiation output, fault alarm, standby signal, operating signal		
According to the content	Touch screen display, convenient for setting time, monitoring temperature, failure status, exposure mode, product information			
The alarm content	Overtemperature protection, false operation alarm			
Cooling mode	Forced air cooling			
Voltage range	100V-240V 50/60HZ		88V-264V 50/60HZ	0-3.6V
The electric power	350W	350W		3W
Case size (W*L*H)	130*380*198mm	130*380*198mm	115*140*169mm	—
Lamp holder size (W*L*H)	104*144*218mm	60*190*180mm	Φ13*88mm(With the fan) 25*25*88mm (Without Fan)	120*25*25mm

Application field

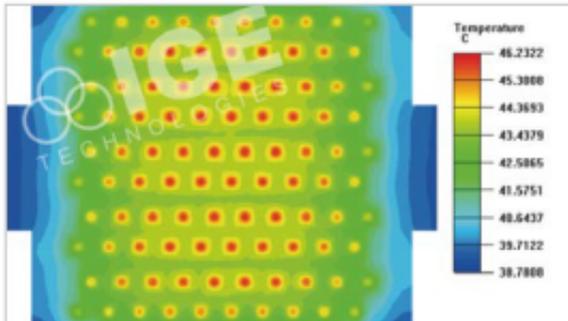
High performance UVLED light source curing equipment system, suitable for electronic assembly, speaker, ink paint curing, surface coating, glue curing, medical devices, optical assembly, semiconductor and other industries.



Auxiliary products



Heat dissipation design simulation

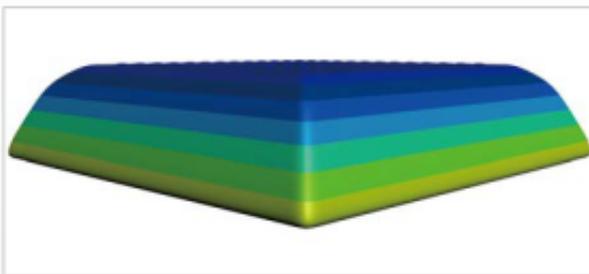


PCB temperature distribution

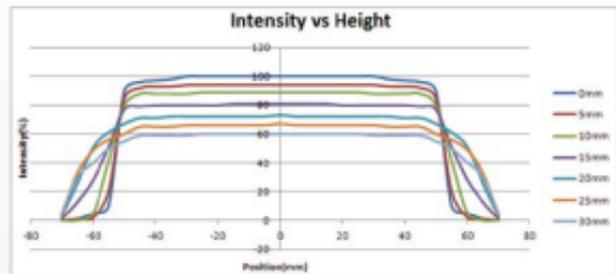


Radiator temperature distribution

Distribution of light intensity



3D diagram of light



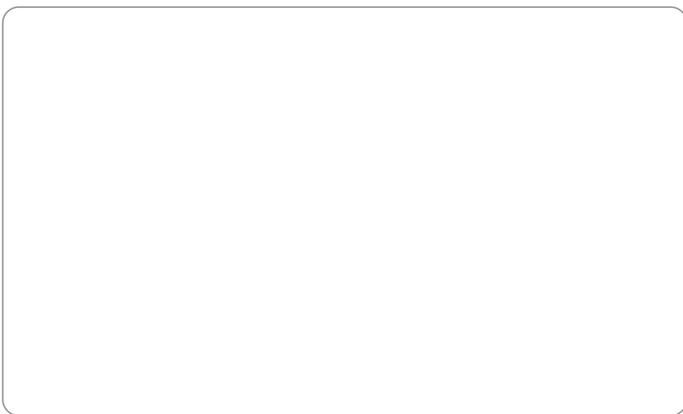
Intensity distribution The graph

Aventk Product application field





Commercial agent



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