
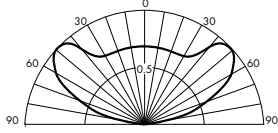

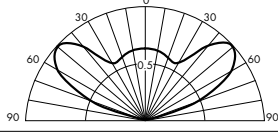

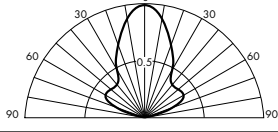

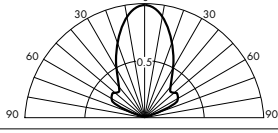

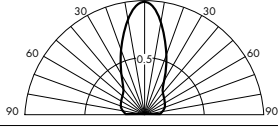

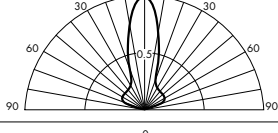

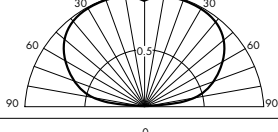

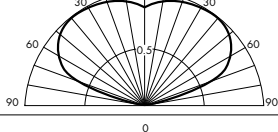

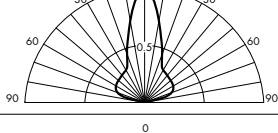

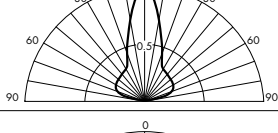

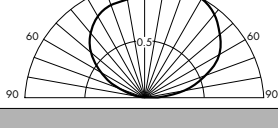


SMT SHAPE - INFRARED LED

Infrared LED

Ta=25°C

Shape	Part No.	Features	Peak Wavelength P		Radiant Intensity I _E			Output Power P _O		Cut-Off Frequency F _C			Spatial Distribution (The typical distribution example of each shape is shown below)	fig.
			TYP.	I _F	MIN.	TYP.	I _F	TYP.	I _F	MIN.	TYP.	I _F		
	DNP1101W	Flat lens package	880	20	0.5	1.0	20	5	20	—	12	20		1
	AN1101W	Flat lens package	950	20	0.2	0.4	20	2	20	—	0.5	20		1
	DNP1102W	Inner lens package	880	20	—	2.2	20	4	20	—	12	20		2
	AN1102W	Inner lens package	950	20	0.5	0.8	20	2	20	—	0.5	20		2
	DNP1105W	Dome-lens High radiant intensity Reverse and standard mounting	880	20	2.0	4.0	20	2	20	—	12	20		3
	AN1105W	Dome-lens High radiant intensity Reverse and standard mounting	950	20	1.0	1.4	20	2	20	—	0.5	20		3
	DNP1111R	Reverse mount Flat lens package	880	20	0.5	1.0	20	5	20	—	12	20		4
	AN1111R	Reverse mount Flat lens package	950	20	0.2	0.28	20	2	20	—	0.5	20		5
	DNP1102F	Side view package	880	50	1.5	3.0	20	2	20	—	12	20		6
	AN1102F	Side view package	950	20	0.35	0.5	20	2	20	—	0.5	20		6
	AN1111C	Compact 1608 size	950	20	0.2	0.28	20	2	20	—	0.5	20		7

Unit

nm

mA

mW/sr

mA

mW

mA

MHz

mA

All above products contain no lead

SMT SHAPE - INFRARED LED

Package Dimensions

unit: mm

fig. 1

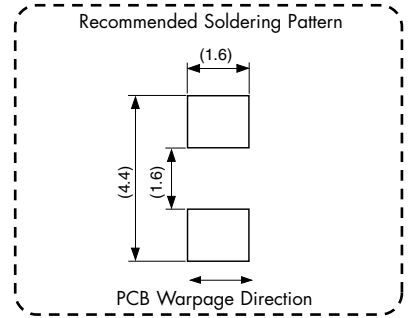
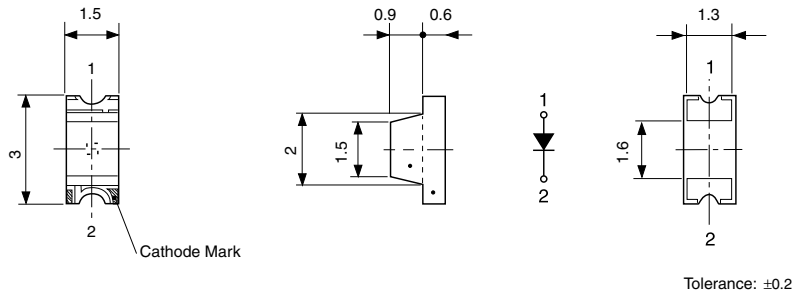


fig. 2

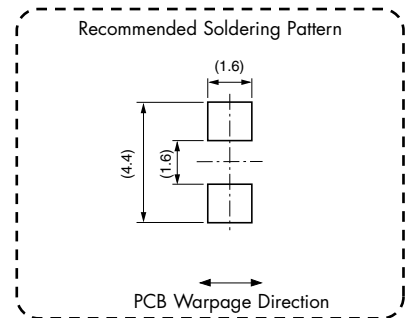
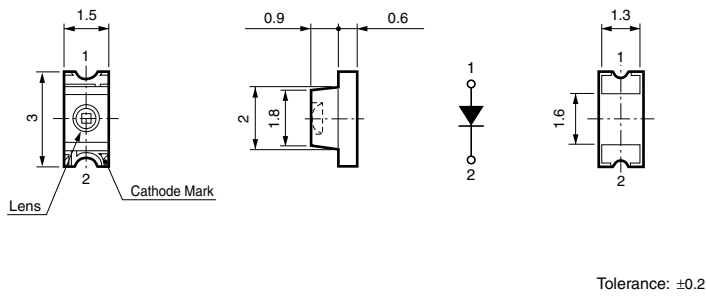


fig. 3

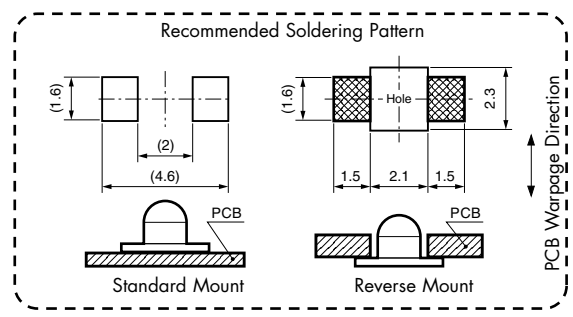
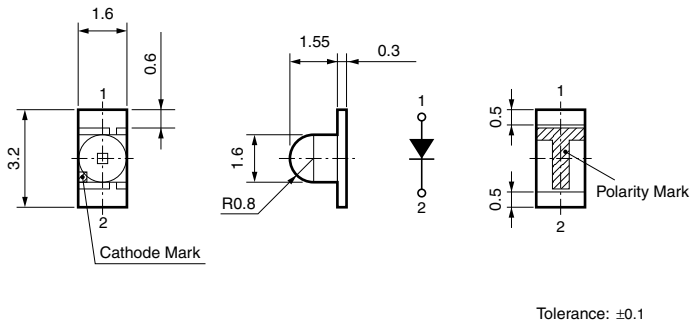
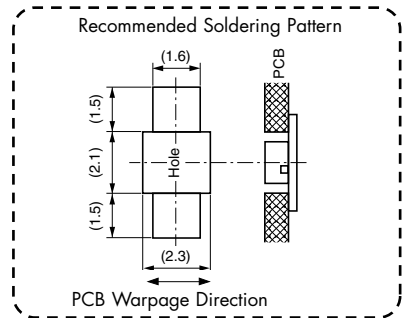
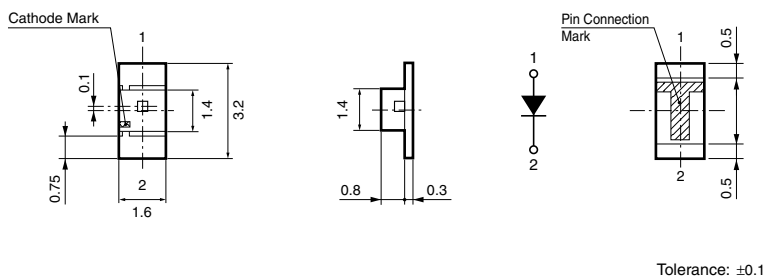


fig. 4

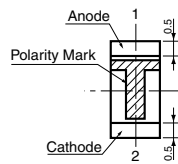
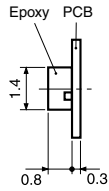
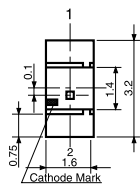


SMT SHAPE - INFRARED LED

Package Dimensions

unit: mm

fig. 5



Tolerance: ± 0.1

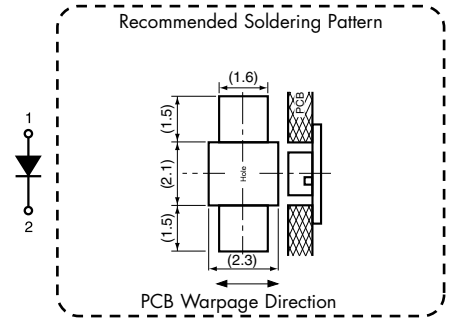
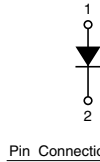
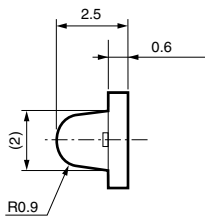
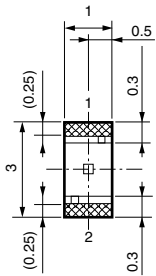


fig. 6



Tolerance: ± 0.15

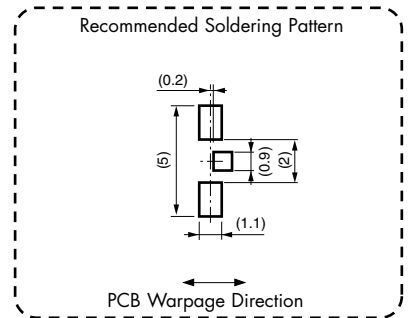
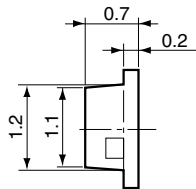
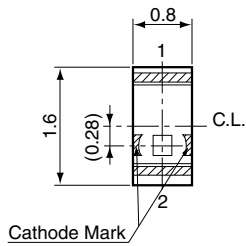
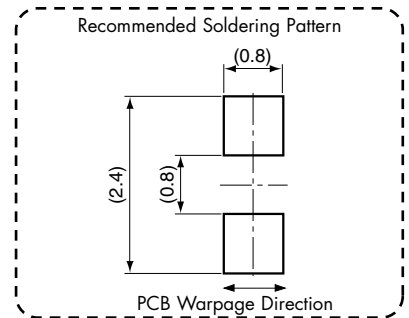


fig. 7



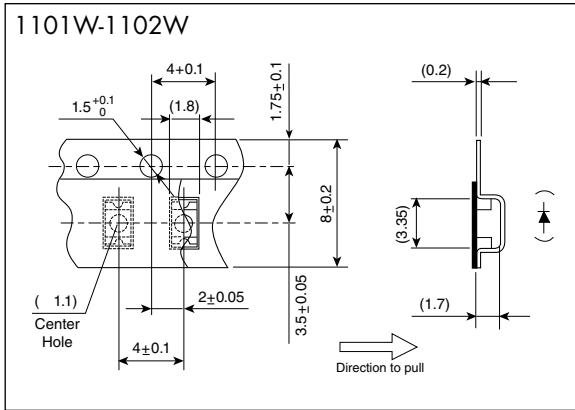
Tolerance: ± 0.1



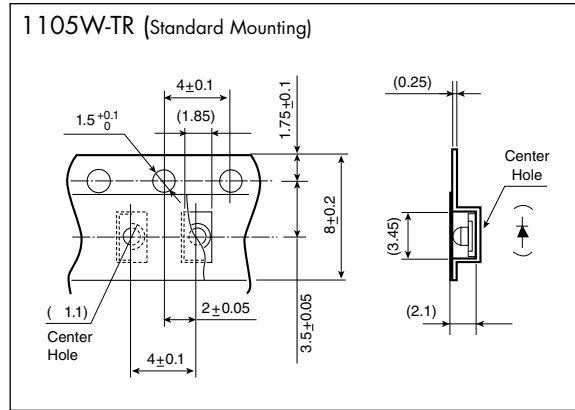
SMT SHAPE - INFRARED LED

Taping Specifications

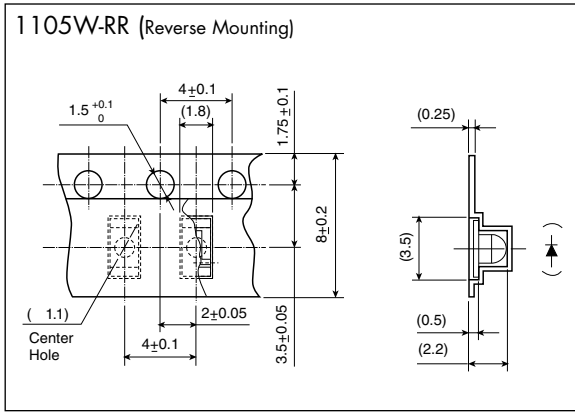
unit: mm



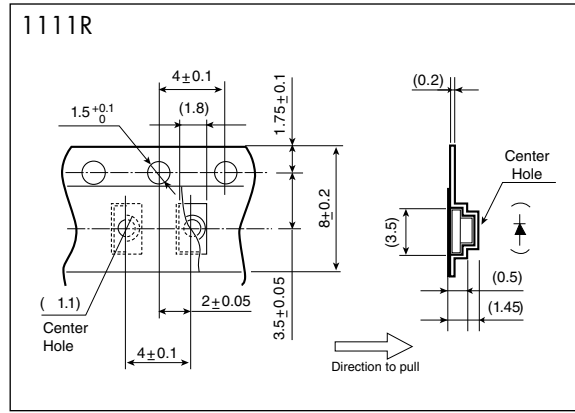
Quantity per Reel: 2,500



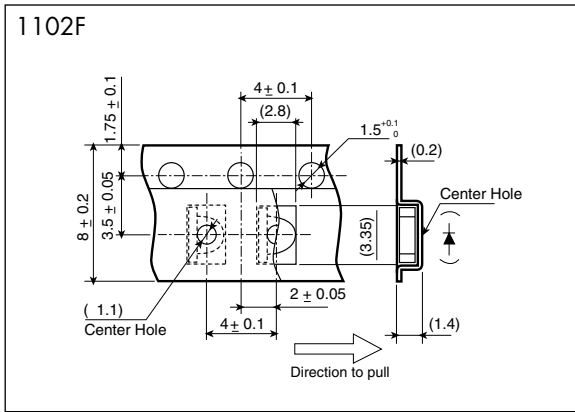
Quantity per Reel: 2,000



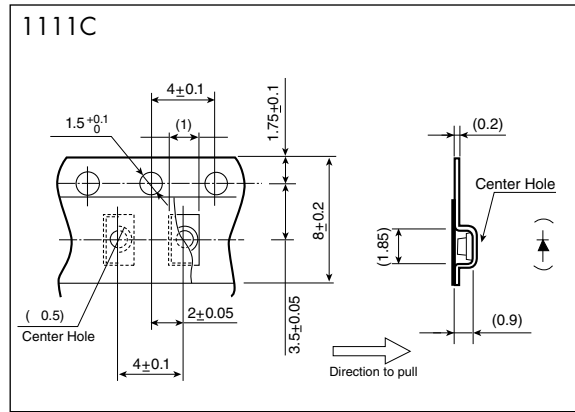
Quantity per Reel: 2,000



Quantity per Reel: 3,000



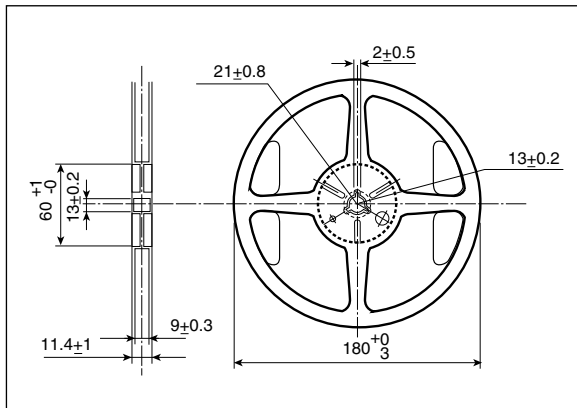
Quantity per Reel: 3,000



Quantity per Reel: 4,000

Reel Specifications


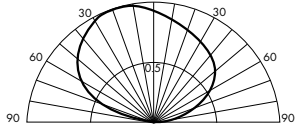

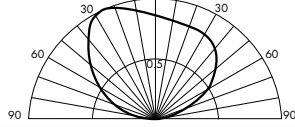

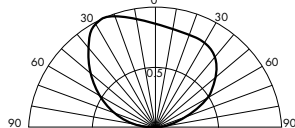

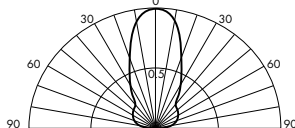

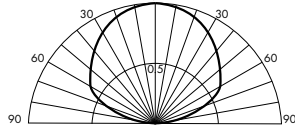

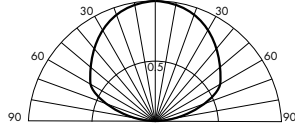
unit: mm



SMT SHAPE - PHOTO TRANSISTOR AND PIN PHOTO DIODE

Photo Transistor


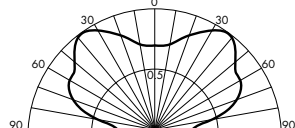
Ta= 25°C

Shape	Part No.	Features	Wavelength of Peak Sensitivity P TYP.	Photo Current I _c				Response Time tr • tf TYP.	Spatial Distribution (The typical distribution example of each shape is shown below)	fig.
				MIN.	TYP.	V _{CE}	E _e			
	PS1101WA	—	880	0.7	3.5	5	5	8/9		1
	PS1101RA	Reverse Mount	880	0.4	2.0	5	5	8/9		2
	PS1191RA	Reverse Mount with visible radiation cut filter under 700nm	900	0.4	2.0	5	5	8/9		2
	PS1192FA	Side view package with visible radiation cut filter under 700nm	900	1.4	7.0	5	5	8/9		3
	PS1102HA	Compact size	880	0.4	2.0	5	5	8/9		4
	PS1192HA	Compact size with visible radiation cut filter under 700nm	900	0.4	2.0	5	5	8/9		4
Unit			nm	mA		V	mW/cm ²	s		

I_c=2mA, V_{CE}=10V, R_L=100
All above products contain no lead

Pin Photo Diode

Ta= 25°C

Shape	Part No.	Features	Wavelength of Peak Sensitivity P TYP.	Photo Current I _c				Response Time tr • tf TYP.	Spatial Distribution (The typical distribution example of each shape is shown below)	fig.
				MIN.	TYP.	V _{CE}	E _e			
	PP1101W	—	950	2.0	4.0	5	5	50		5
Unit			nm	mA		V	mW/cm ²	ns		

Product contains no lead

SMT SHAPE - PHOTO TRANSISTOR AND PIN PHOTO DIODE

Package Dimensions

unit: mm

fig. 1

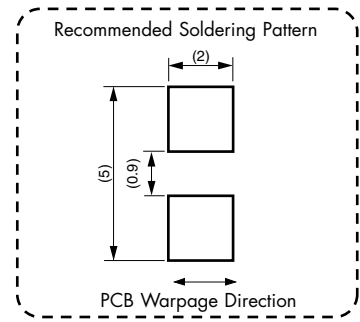
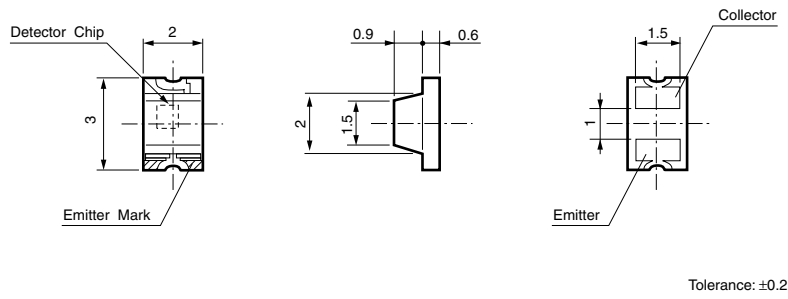


fig. 2

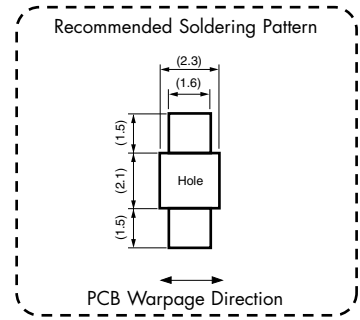
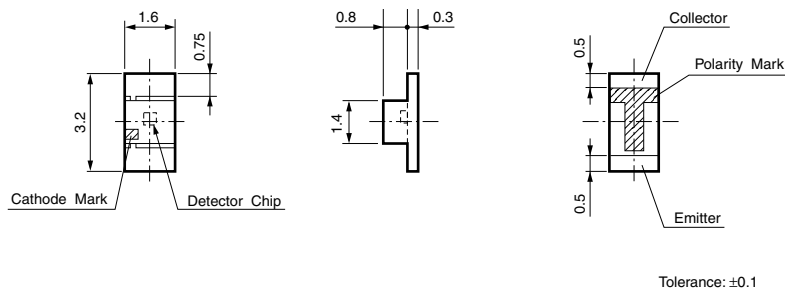


fig. 3

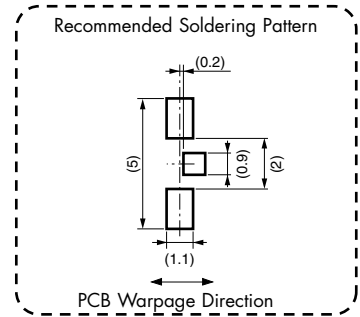
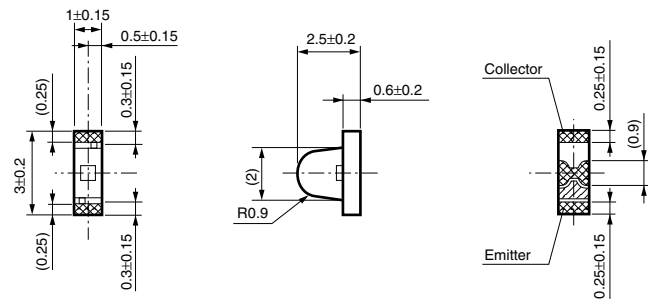
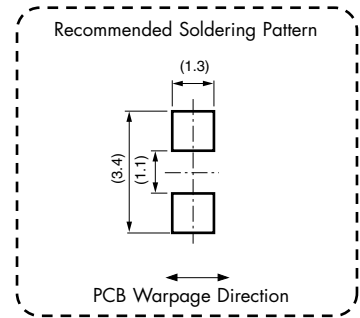
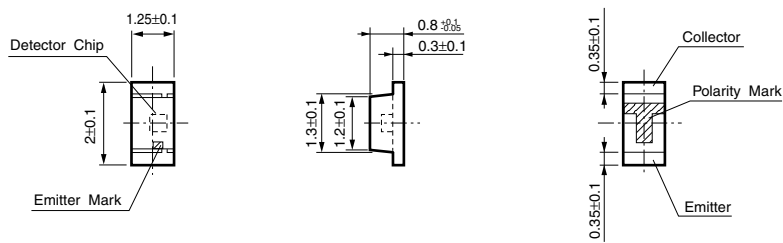


fig. 4

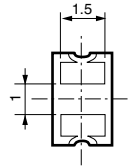
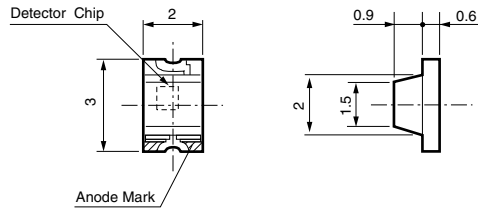


SMT SHAPE - PHOTO TRANSISTOR AND PIN PHOTO DIODE

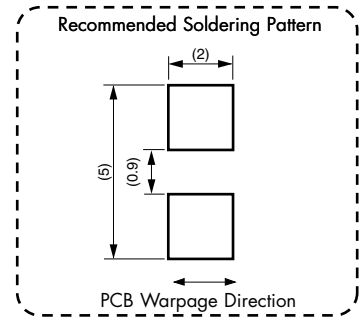
Package Dimensions

unit: mm

fig. 5



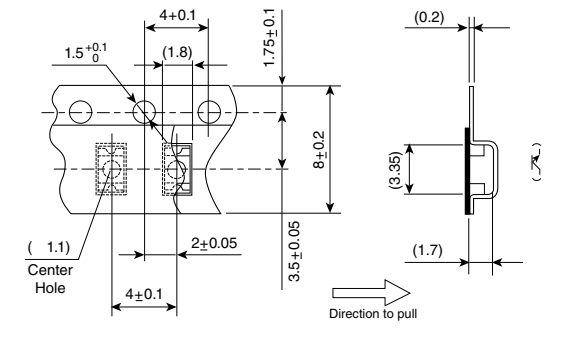
Tolerance: ± 0.2



Taping Specifications

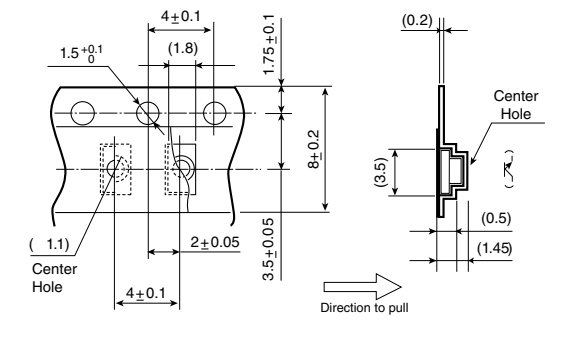
unit: mm

1101WA



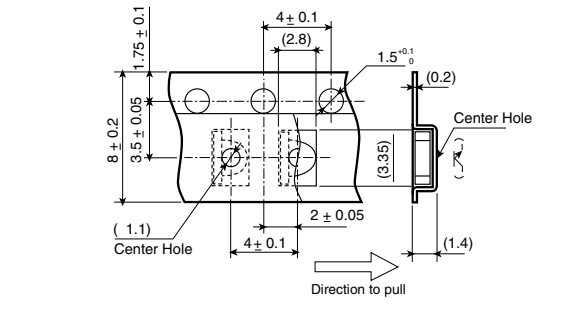
Quantity per Reel: 2,500

1101RA-1191RA



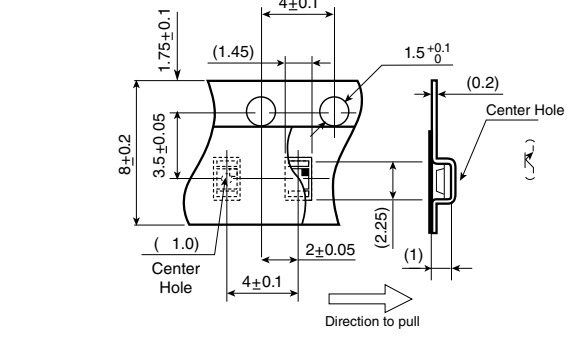
Quantity per Reel: 3,000

1192FA



Quantity per Reel: 3,000

1102HA-1192HA



Quantity per Reel: 4,000

Reel Specifications

unit: mm

