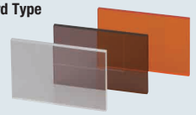
PET Plates

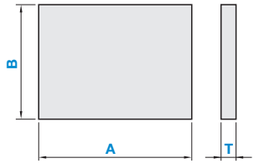
Standard Type

For antistatic thick plates used as bushing for semiconductor components / electronic components (Antistatic PET Plates), see **P.3112**

PET Plates – Standard Type



RoHS10



A≥B

Type	Grade	Color	Light transmittance	Operating Ambient Temperature
PYA	Standard	Transparent	87%	-15–55°C
PYBA	Standard	Smoke Brown	28%	
PYDA	Standard	Orange	45%	
PYTA	Antistatic	Transparent	77%	
PYBTA	Antistatic	Smoke Brown	30%	

T Dimension Tolerance

T	T Dimension Tolerance
1	±0.15
2, 3	±0.2
4, 5	±0.3
8	±0.6

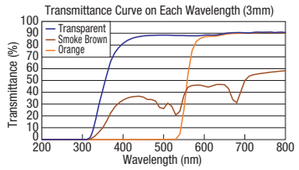
Dimension Tolerance of A and B±1.0

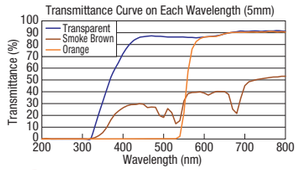
Finish	4 Sides		Top / Bottom	
	Drilling Method	Finish Symbol	Drilling Method	Finish Symbol
Saw Cut	Saw Cut	✓	Material	—

Standard Type

Part Number	Standard Size	A	B	T Selection
PYA	Standard Transparent	20–1200	20–1000	1 2 3 4 5 8
PYBA	Standard Smoke Brown			3 4 5
PYDA	Standard Orange			3 5
PYTA	Antistatic Transparent			
PYBTA	Antistatic Smoke Brown			
Large Size				
L-PYA	Standard Transparent	1201–2000	20–1000	3 5
L-PYBA	Standard Smoke Brown			
L-PYDA	Standard Orange			
L-PYTA	Antistatic Transparent			
L-PYBTA	Antistatic Smoke Brown			

For T0.5–1.5, refer to **P.3084**





The above data are for reference, not guaranteed.

Part Number Example

Standard Size

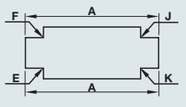
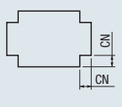
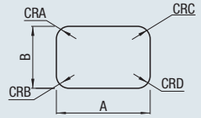
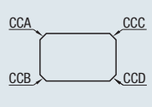
Part Number	-	A	-	B	-	T
PYA	-	1200	-	800	-	8

Large Size

Part Number	-	A	-	B	-	T
L-PYA	-	1300	-	800	-	3

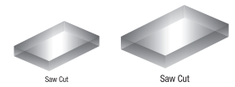
Part Number Alterations

Part Number	-	A	-	B	-	T	-	(CRA, etc.)
PYA	-	100	-	80	-	3	-	CRA10-CRC10

	Notching for Blind Joints of Aluminum Frame	Relief at Four Corners	Corner Radius	Corner Cut
Alterations				
Code	F_ _ / E_ _ / J_ _ / K_ _	CN	CRA / CRB / CRC / CRD	CCA / CCB / CCC / CCD
Spec.	Machines relief for blind joints of aluminum frame extrusions. Thermal expansion of the plate is not taken into account. Longitudinal direction of notching is all on A dimension side. Applicable to standard sizes only. Applicable to only T3, T5. **Ordering Code:** F S 6 Frame Type Joint Type Notching Position (See the diagram above.)	CN = 1 mm Increment Machines relief at four corners. 5≤CN≤50 Applicable to standard sizes only. **Ordering Code:** CN=25→CN25	Adds radius to any corner. R=5 mm Increment 10≤A(B)–R(2R) 5≤CRA, CRB, CRC, CRD≤100 **Ordering Code:** (Ex.) Adds R10 at the corner of A and C. CRA10-CRC10 Applicable to standard sizes only.	Cuts any corners. 5≤Corner Cut≤50 5 mm Increment **Ordering Code:** (Ex.) When the corners of A and D are cut by C5 CCA5-CCD5 Applicable to standard sizes only.

PET Plates

Pre-Drilled Type



PET Plates – Pre-Drilled Type

RoHS10

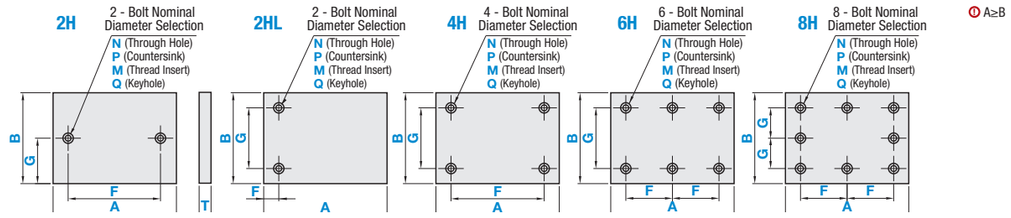
Type	Grade	Color	Light Transmittance	Operating Ambient Temperature
PYA	Standard	Transparent	87%	- 15–55°C
PYBA	Standard	Smoke Brown	28%	
PYDA	Standard	Orange	45%	
PYTA	Antistatic	Transparent	77%	
PYBTA	Antistatic	Smoke Brown	30%	

T Dimension Tolerance

T	T Dimension Tolerance
1	±0.15
2, 3	±0.2
4, 5	±0.3
8	±0.6

Dimension Tolerance of A and B±1.0

Finish	4 Sides		Top / Bottom	
	Drilling Method	Finish Symbol	Drilling Method	Finish Symbol
Saw Cut	Saw Cut	✓	Material	—



A≥B

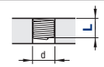
Drilling Details

N (Through hole)

P (Countersink)

Bolt Nominal Dia.	3	4	5	6	8	10
d	3.5	4.5	5.5	6.5	9	11
d_1	7.5	9.5	11.5	13.5	19	–
h	2	2.5	3	3.5	5	–

M (Thread Insert)



Ordering Code: (Ex.) M4–L6
L≤T
For details of thread insert HLTS, refer to **P.2461**

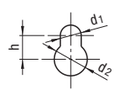
Table 1

Bolt Nominal Dia.	3	4
d	3.5	4.5
L	3	4
	4.5	6
	6	8

Drilling Conditions (N-P-M)

Hole Diameter	b (Min. value)
3–10	2.5

Q (Keyhole)

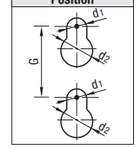


Keyhole Nominal Dia.	5	6	8
d_1	6	7	9
d_2	14	16	20
h	11	12	15

Use with flat washers (**P.2434**) to prevent damage to the resin.

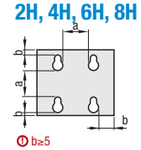
Drilling Conditions Q (Keyhole)

*** Keyhole Reference Position**

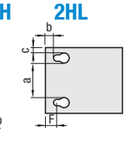


Keyhole Machining Conditions a≥5 b≥5 c≥5

2H, 4H, 6H, 8H



2HL



b≥5

Keyhole Position
(1): When 2H, the center of diameter d_1 is consistent with G.
(2): When 4H and 6H, the center of G dimension is consistent with the center of B dimension.
(3): When 8H, the diameter d_1 center of the middle Keyhole is consistent with the center of B dimension.
(4): When 2HL, keyholes turn sideways and the center of diameter d_1 is consistent with F.

Pre-Drilled Type

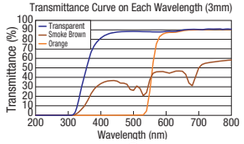
Part Number		A	B	T			F	G	Select Mounting Holes				
									Through Hole	Countersink	Keyhole	Thread Insert	
Type	Nominal	1mm Increment		PYA	PYBA	PYDA, PYTA PYBTA	0.5mm Increment		N	P	Q	M	L
PYA Standard Transparent	2H (Horizontal)	20–1200	20–1000	1	—	—	6–1191.5 (2H, 4H)	4.5–995.5 (2H)	3	—	5 6 8	—	Select from Table 1
PYBA Standard Smoke Brown	2HL (Vertical)			2	—	—			4	—		—	
PYDA Standard Orange				3	3	3	4.5–1195.5 (2HL)	6–991.5 (2HL, 4H, 6H)	5	3		—	
PYTA Antistatic Transparent	4H			4	4	—			6	3 4 5		3	
PYBTA Antistatic Smoke Brown	6H			5	5	5	6–595.5 (6H, 8H)	6–495.5 (8H)	8	3 4 5 6		3 4	
	8H			8	—	—			10	4 5 6 8		3 4	

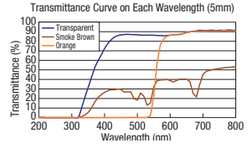
Dimension F Specification Range For 2H and 4H: $d(d_1)+2.5\leq F\leq A-d(d_1)-5$; for 2HL: $(d_1)/2+2.5\leq F\leq A-d(d_1)/2-2.5$; for 6H and 8H: $d(d_1)+2.5\leq F\leq(A-d(d_1)-5)/2$.
Dimension G Specification Range For 2H: $d(d_1)/2+2.5\leq G\leq B-d(d_1)/2-2.5$; for 2HL, 4H and 6H: $(d_1)+2.5\leq G\leq B-d(d_1)-5$; for 8H: $d(d_1)+2.5\leq G\leq(B-d(d_1)-5)/2$. (d for through hole, d_1 for countersink.)

Drilling

Part Number Example

Part Number	-	A	-	B	-	T	-	F	-	G	-	Bolt Nominal Diameter	-	L
PYBA4H	-	900	-	700	-	4	-	F750	-	G650	-	P4		
PYA4H	-	850	-	500	-	5	-	F450	-	G300	-	M4	-	L4

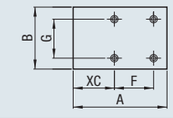
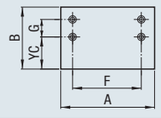




The above data are for reference, not guaranteed.

Part Number Alterations

Part Number	-	A	-	B	-	T	-	F	-	G	-	Bolt Nominal Diameter	-	(XC / YC)
PYA4H	-	200	-	100	-	4	-	F160	-	G50	-	N6	-	YC35

	Hole Position from Left	Hole Position from Bottom
Alterations		
Code	XC	YC
Spec.	XC = 0.5 mm Increment (2H, 4H Type) d $(d_1)/2+2.5\leq XC\leq A-F-d(d_1)/2-2.5$ (6H, 8H Type) d $(d_1)/2+2.5\leq XC\leq A-2F-d(d_1)/2-2.5$	YC = 0.5 mm Increment (4H, 6H Type) d (d1)/2+2.5≤YC≤B-G-d (d1)/2-2.5 (8H Type) d(d1)/2+2.5≤YC≤B-2G-d(d1)/2-2.5 Not applicable for 2H type