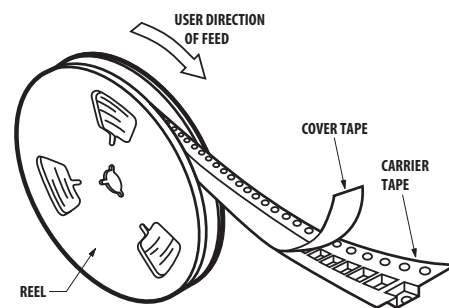


Option 5xx

Tape and Reel Packaging Option for Optocouplers (Plastic/Solid-State Relay)



Description

[Table 1](#) provides a brief overview of the tape and reel specifications for each package type available. Complete details are contained in the subsequent tables. This data sheet covers all plastic optocouplers, including the solid-state relay (photo MOSFET) product family tape and reel specifications, which are provided in the last section of this data sheet.

Ordering Information

To obtain this tape and reel option for optocouplers, order the standard part number with Option 500. Option 500 consists of the gull wing leads packaging. Hence, there is no order for Gull Wing Option 300 along with Option 500.

Example: HCPL-2601-500E

Table 1: Tape and Reel Packaging Option 500 for Plastic Optocouplers (Excluding Solid-State Relays)

Package Type	Tape Width ^a	Reel Diameter	Quantity Per Reel	Minimum Order Quantity
SO4	12 mm	33 cm	3000	3000
SO4 ^b	12 mm	33 cm	3000	3000
SO5	12 mm	33 cm	1500	1500
SO8	12 mm	33 cm	1500	1500
SO8 ^b	12 mm	33 cm	2000	2000
SO8 ^c	12 mm	33 cm	1500	1500
SO8 ^d	12 mm	33 cm	1500	1500
SO16	24 mm	33 cm	850	850
SO16 ^b	16 mm	33 cm	2000	2000
SO16 ^c	16 mm	33 cm	1000	1000
SO24	24 mm	33 cm	850	850
DIP4 (300 mil) ^e	16 mm	33 cm	1000	1000
DIP6 (300 mil) ^e	16 mm	33 cm	1000	1000
DIP8 (300 mil) ^e	16 mm	33 cm	1000	1000
DIP8 (400 mil) ^e	24 mm	33 cm	750	750
DIP10 (500mil) ^e	24 mm	33 cm	500	500
Stretched SO6 (W ^f)	16 mm	33 cm	1000	1000
Stretched SO6 (P ^f)	16 mm	33 cm	1000	1000
Stretched SO8 (K,C ^f)	16 mm	33 cm	1000	1000
Stretched SO8 (H ^f)	16 mm	33 cm	1000	1000
Stretched SO12	16 mm	33 cm	1000	1000
11/15-mm Stretched SO8	24 mm	33 cm	1000	1000

a. Unit: mm.

b. Half-pitch (1.27-in.) phototransistor packages.

c. Multichannel thin SO packages (ACSL-6xx0).

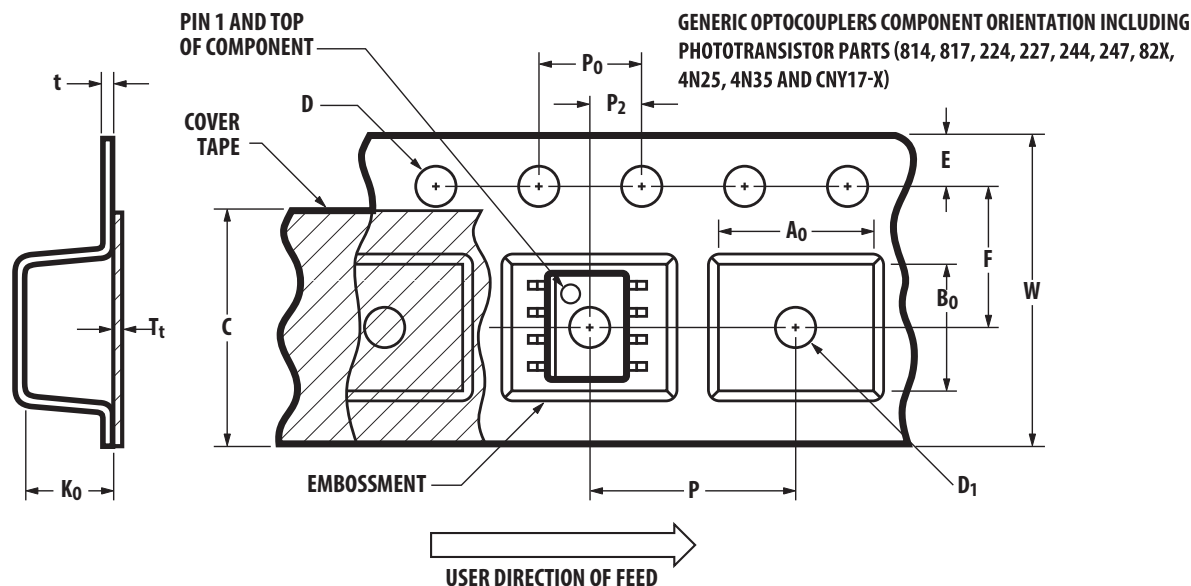
d. Thin SO packages (ACHS-7xxx).

e. DIP packages are gull wing surface mount in this option data sheet.

f. Stretched package nomenclature:

- ACPL-Wxxx (Stretched SO6, 8-mm clearance)
- ACPL-Pxxx (Stretched SO6, 7-mm clearance)
- ACPL-Kxxx/Cxxx (Stretched SO8, 8-mm clearance)
- ACPL-Hxxx (Stretched SO8, 7-mm clearance)

Tape Dimensions



SYMBOLS:

CAVITY

A₀ – LENGTH
B₀ – WIDTH
K₀ – DEPTH
P – PITCH
D₁ – BOTTOM HOLE DIAMETER

PERFORATION

D – DIAMETER OF SPROCKET HOLES
P₀ – PITCH
– POSITION

COVER TAPE

C – WIDTH
T_t – TAPE THICKNESS

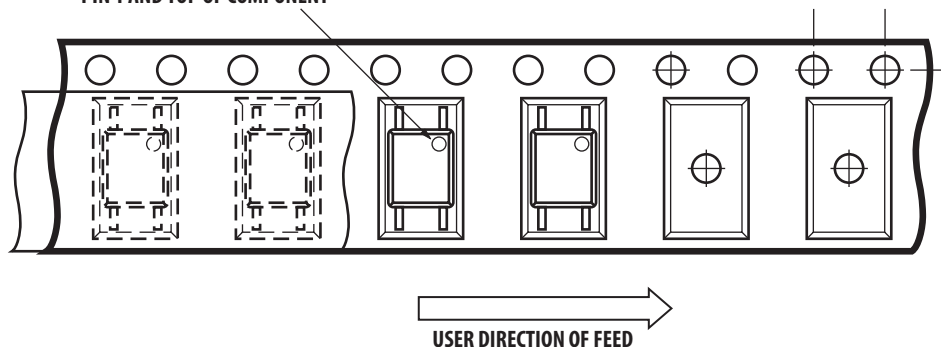
CARRIER TAPE

W – WIDTH
t – THICKNESS

DISTANCE BETWEEN CENTERLINE

F – CAVITY TO PERFORATION (WIDTH DIRECTION)
P₂ – CAVITY TO PERFORATION (LENGTH DIRECTION)

S05 AND 15MM STRETCH S08 COMPONENT ORIENTATION INCLUDING PHOTOTRANSISTOR PARTS (181, 214, 217 AND 354)
PIN 1 AND TOP OF COMPONENT



For Option 700 Component Orientation

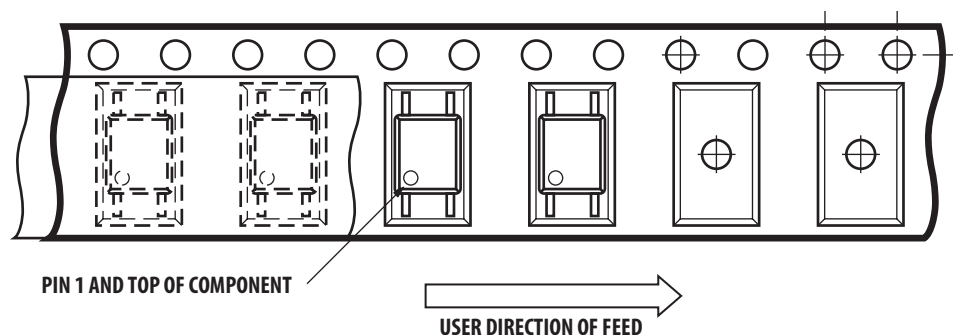


Table 2: Tape Dimensions, DIP Packages^a

Symbol	DIP4 (300 mil)	DIP6 (300 mil)	DIP8 (300 mil)	DIP8 (400 mil)	DIP10 (500 mil)
A ₀	10.46 ± 0.10	10.36 ± 0.10	10.36 ± 0.10	12.90 ± 0.10	15.30 ± 0.10
B ₀	5.30 ± 0.10	10.29 ± 0.10	10.29 ± 0.10	11.61 ± 0.10	14.11 ± 0.10
K ₀	4.25 ± 0.05	4.90 ± 0.10	4.90 ± 0.10	5.61 ± 0.10	6.38 ± 0.10
P	12.00 ± 0.10	12.00 ± 0.10	12.00 ± 0.10	16.00 ± 0.10	20.00 ± 0.10
D ₁	1.5 min.	1.5 min.	1.5 min.	1.5 min	1.5 min.
D	1.55 ± 0.05	1.55 ± 0.05	1.55 ± 0.05	1.55 ± 0.05	1.50 ± 0.10
P ₀	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.20
E	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.20
W	16.00 ± 0.30	16.00 ± 0.30	16.00 ± 0.30	24.00 ± 0.30	24.00 ± 0.30
t	0.40 ± 0.05	0.40 ± 0.05	0.40 ± 0.05	0.40 ± 0.05	0.40 ± 0.05
F	7.50 ± 0.10	7.50 ± 0.10	7.50 ± 0.10	11.50 ± 0.10	11.50 ± 0.10
P ₂	2.00 ± 0.10	2.00 ± 0.10	2.00 ± 0.10	2.00 ± 0.10	2.00 ± 0.10
C	13.30 ± 0.10	13.30 ± 0.10	13.30 ± 0.10	21.30 ± 0.10	21.30 ± 0.10
Tt	0.10 ± 0.05	0.061 ± 0.05	0.061 ± 0.05	0.061 ± 0.05	0.061 ± 0.05

a. Unit: mm.

Table 3: Tape Dimensions, Stretched SO Packages^a

Symbol	Stretched SO6 (W)	Stretched SO6 (P)	Stretched SO8 (K, C)	Stretched SO8 (H)	Stretched SO12	15-mm Stretched SO8	11-mm Stretched SO8
A ₀	12.20 ± 0.10	10.40 ± 0.10	12.20 ± 0.10	10.40 ± 0.10	10.90 ± 0.10	6.55 ± 0.10	6.55 ± 0.10
B ₀	5.10 ± 0.10	5.10 ± 0.10	6.40 ± 0.10	6.40 ± 0.10	6.40 ± 0.10	17.10 ± 0.10	13.10 ± 0.10
K ₀	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.3 ± 0.10	4.4 ± 0.10
P	16.00 ± 0.10	12.00 ± 0.10	16.00 ± 0.10	12.00 ± 0.10	12.00 ± 0.10	12.00 ± 0.10	12.00 ± 0.10
D ₁	1.5 min.	1.5 min.	1.5 min.	1.5 min.	1.5 min.	1.5 min.	1.5 min.
D	1.55 ± 0.05	1.55 ± 0.05	1.55 ± 0.05	1.55 ± 0.05	1.55 ± 0.05	1.55 ± 0.05	1.55 ± 0.10
P ₀	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10
E	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10
W	16.00 ± 0.30	16.00 ± 0.30	16.00 ± 0.30	16.00 ± 0.30	16.00 ± 0.30	24.00 ± 0.30	24.00 ± 0.30
t	0.35 ± 0.05	0.35 ± 0.05	0.35 ± 0.05	0.35 ± 0.05	0.35 ± 0.05	0.35 ± 0.05	0.40 ± 0.05
F	7.50 ± 0.10	7.50 ± 0.10	7.50 ± 0.10	7.50 ± 0.10	7.50 ± 0.10	11.50 ± 0.10	11.50 ± 0.10
P ₂	2.00 ± 0.10	2.00 ± 0.10	2.00 ± 0.10	2.00 ± 0.10	2.00 ± 0.10	2.00 ± 0.10	2.00 ± 0.10
C	13.30 ± 0.10	13.30 ± 0.10	13.30 ± 0.10	13.30 ± 0.10	13.30 ± 0.10	21.30 ± 0.10	21.30 ± 0.10
Tt	0.061 ± 0.05	0.061 ± 0.05	0.061 ± 0.05	0.061 ± 0.05	0.061 ± 0.05	0.061 ± 0.05	0.061 ± 0.05

a. Unit: mm.

Table 4: Tape Dimensions, SO Packages^a

Symbol	SO4	SO5	SO8	SO16	SO24
A ₀	3.90 ± 0.10	3.78 ± 0.10	6.37 ± 0.10	10.67 ± 0.10	10.67 ± 0.10
B ₀	7.45 ± 0.10	7.62 ± 0.10	5.49 ± 0.10	10.82 ± 0.10	10.82 ± 0.10
K ₀	2.45 ± 0.10	3.15 ± 0.10	3.94 ± 0.10	4.45 ± 0.10	4.45 ± 0.10
P	8.00 ± 0.10	8.00 ± 0.10	8.00 ± 0.10	16.00 ± 0.10	16.00 ± 0.10
D ₁	1.50 ± 0.10	1.5 min.	1.50 min.	1.5 min.	1.5 min.
D	1.50 ± 0.10	1.55 ± 0.05	1.55 ± 0.05	1.55 ± 0.05	1.55 ± 0.05
P ₀	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10
E	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10
W	12.00 ± 0.30	12.00 ± 0.30	12.00 ± 0.30	24.00 ± 0.30	24.00 ± 0.30
t	0.30 ± 0.02	0.305 ± 0.05	0.318 ± 0.05	0.40 ± 0.05	0.40 ± 0.05
F	5.50 ± 0.05	5.50 ± 0.05	5.50 ± 0.05	11.50 ± 0.10	11.50 ± 0.10
P ₂	2.00 ± 0.05	2.00 ± 0.05	2.00 ± 0.05	2.00 ± 0.10	2.00 ± 0.10
C	9.30 ± 0.10	9.30 ± 0.10	9.30 ± 0.10	21.30 ± 0.10	21.30 ± 0.10
Tt	0.062 ± 0.05	0.061 ± 0.05	0.061 ± 0.05	0.061 ± 0.05	0.061 ± 0.05

a. Unit: mm

Table 5: Tape Dimensions, Other SO Packages^a

Symbol	SO4 ^b	SO8 ^b	SO16 ^b	SO8 ^c	SO8 ^d	SO16 ^c
A ₀	2.8 ± 0.10	7.45 ± 0.1	7.45 ± 0.1	6.40 ± 0.10	6.30 ± 0.10	6.50 ± 0.10
B ₀	7.45 ± 0.10	5.41 ± 0.1	10.49 ± 0.1	5.20 ± 0.10	5.35 ± 0.10	10.30 ± 0.10
K ₀	2.45 ± 0.1	2.45 ± 0.1	2.45 ± 0.1	1.80 ± 0.10	2.70 ± 0.10	2.30 ± 0.10
P	8.00 ± 0.10	12.00 ± 0.10	12.00 ± 0.10	8.00 ± 0.10	8.00 ± 0.10	8.00 ± 0.10
D ₁	1.5 min.	1.5 min.	1.5 min.	1.55 ± 0.05	1.55 ± 0.05	1.55 ± 0.05
D	1.5 min.	1.5 min.	1.5 min.	1.55 ± 0.05	1.55 ± 0.05	1.55 ± 0.05
P ₀	4.00 ± 0.20	4.00 ± 0.20	4.00 ± 0.20	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10
E	1.75 ± 0.20	1.75 ± 0.20	1.75 ± 0.20	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10
W	12.00 ± 0.30	12.00 ± 0.30	16.00 ± 0.30	12.00 ± 0.30	12.00 ± 0.30	16.00 ± 0.30
t	0.36 ± 0.02	0.36 ± 0.02	0.36 ± 0.02	0.30 ± 0.05	0.30 ± 0.05	0.30 ± 0.05
F	5.50 ± 0.10	5.5 ± 0.10	7.5 ± 0.10	5.50 ± 0.10	5.50 ± 0.10	7.50 ± 0.10
P ₂	2.00 ± 0.10	2.0 ± 0.1	2.0 ± 0.1	2.00 ± 0.10	2.00 ± 0.10	2.00 ± 0.10
C	9.30 ± 0.10	9.3 ± 0.1	13.3 ± 0.1	9.30 ± 0.10	9.30 ± 0.10	13.30 ± 0.10
Tt	0.10 max.	0.10 max.	0.10 max.	0.061 ± 0.05	0.061 ± 0.05	0.061 ± 0.05

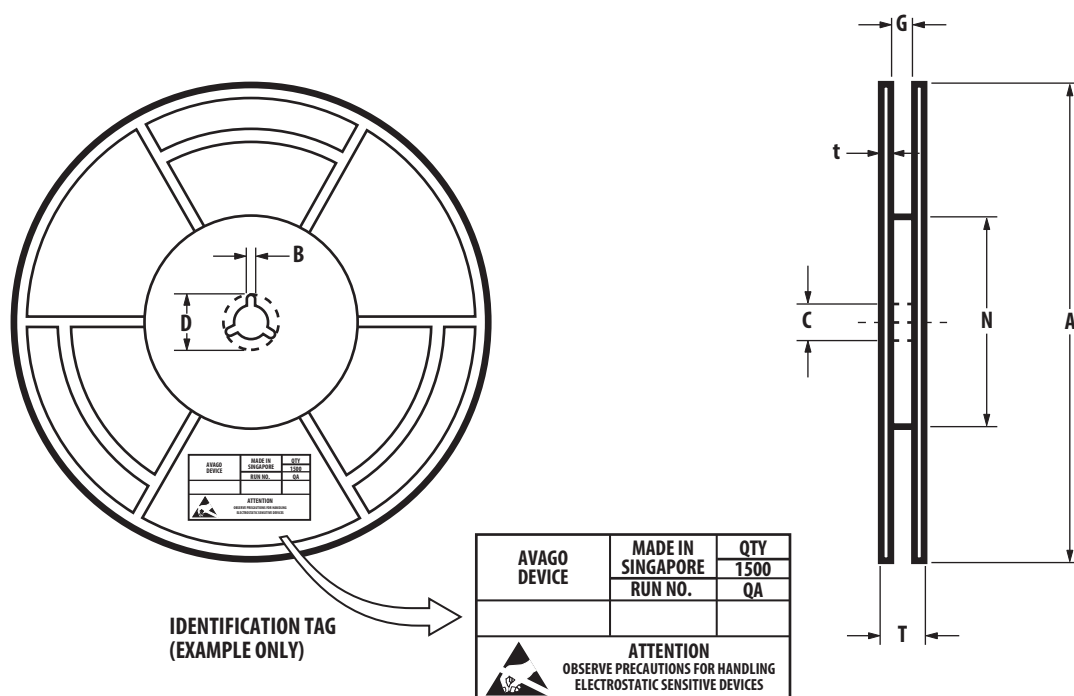
a. Unit: mm.

b. Half-pitch (1.27-in.) phototransistor packages.

c. Multichannel thin SO packages (ACSL-6xx0).

d. Thin SO packages (ACHS-7xxx).

Reel Dimensions



NOTES:

1. DRAWING IS NOT TO SCALE.
2. TYPICAL VALUE ONLY.

SYMBOLS:

FLANGE

A – DIAMETER
t – THICKNESS
G – INTERNAL WIDTH
T – EXTERNAL WIDTH

HUB

N – OUTER DIAMETER
C – SPINDLE HOLE DIAMETER
B – KEY SLIT WIDTH
D – KEY SLIT DIAMETER

Table 6: Reel Dimensions, DIP Packages^a

Symbol	DIP4 (300 mil)	DIP6 (300 mil)	DIP8 (300 mil)	DIP8 (400 mil)	DIP10 (500 mil)
A	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0
t	2.3	2.0	2.0	2.0	2.0
G	16.5 ± 0.5	16.4 + 2.0 / -0.0	16.4 + 2.0 / -0.0	24.4 + 2.0 / -0.0	24.4 + 2.0 / -0.0
T	21.1 ± 0.5	20.4 + 2.0 / -0.0	20.4 + 2.0 / -0.0	28.4 + 2.0 / -0.0	28.4 + 2.0 / -0.0
N	100.0 ± 1.0	100.0 ± 1.0	100.0 ± 1.0	100.0 ± 1.0	100 ± 1.0
C	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5
B	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5
D	21.15 ± 0.8	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0

a. Unit: mm.

Table 7: Reel Dimensions, Stretched SO Packages^a

Symbol	Stretched SO6 (W)	Stretched SO6 (P)	Stretched SO8 (K,C)	Stretched SO8 (H) and SO12	11/15-mm Stretched SO8
A	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0
t	2.0	2.0	2.0	2.0	2.0
G	16.4 + 2.0 / -0.0	16.4 + 2.0 / -0.0	16.4 + 2.0 / -0.0	16.4 + 2.0 / -0.0	24.4 + 2.0 / -0.0
T	20.4 + 2.0 / -0.0	20.4 + 2.0 / -0.0	20.4 + 2.0 / -0.0	20.4 + 2.0 / -0.0	28.4 + 2.0 / -0.0
N	100.0 ± 1.0	100.0 ± 1.0	100.0 ± 1.0	100.0 ± 1.0	100.0 ± 1.0
C	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5
B	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5
D	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0

a. Unit: mm.

Table 8: Reel Dimensions, SO Packages^a

Symbol	SO4	SO5	SO8	SO16	SO24
A	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0
t	2.3	2.0	2.0	2.0	2.0
G	12.5 ± 0.5	12.4 + 2.0 / -0.0	12.4 + 2.0 / -0.0	24.4 + 2.0 / -0.0	24.4 + 2.0 / -0.0
T	17.1 ± 0.5	16.4 + 2.0 / -0.0	16.4 + 2.0 / -0.0	28.4 + 2.0 / -0.0	28.4 + 2.0 / -0.0
N	100.0 ± 1.0	100.0 ± 1.0	100.0 ± 1.0	100.0 ± 1.0	100.0 ± 1.0
C	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5
B	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5
D	21.2 ± 0.8	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0

a. Unit: mm.

Table 9: Reel Packages, Other SO Packages^a

Symbol	SO4 ^b	SO8 ^b	SO16 ^b	SO8 ^c	SO8 ^d	SO16 ^c
A	330.0 ± 2.0	330.0 ± 0.1	330.0 ± 0.1	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0
t	2.3 ± 0.1	2.3 ± 0.1	2.3 ± 0.1	2.0	2.0	2.0
G	12.5 ± 0.5	12.5 ± 0.5	16.5 ± 0.5	12.4 + 2.0 / -0.0	12.4 + 2.0 / -0.0	16.4 + 2.0 / -0.0
T	17.1 ± 0.5	17.1 ± 0.5	21.5 ± 0.5	16.4 + 2.0 / -0.0	16.4 + 2.0 / -0.0	20.4 + 2.0 / -0.0
N	100.0 ± 1.0	100.0 ± 0.1	100.0 ± 0.1	100.0 ± 1.0	100.0 ± 1.0	100.0 ± 1.0
C	13.0 ± 0.5	13.5 ± 0.1	13.5 ± 0.1	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5
B	2.0 ± 0.5	2.3 ± 0.5	2.3 ± 0.5	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5
D	21.15 ± 0.8	21.3~22	21.3~22	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0	21.0 + 1.0 / -0.0

a. Unit: mm.

b. Half-pitch (1.27-in.) phototransistor packages.

c. Multichannel thin SO packages (ACSL-6xx0).

d. Thin SO packages (ACHS-7xxx).

Packing – Leader and Trailer

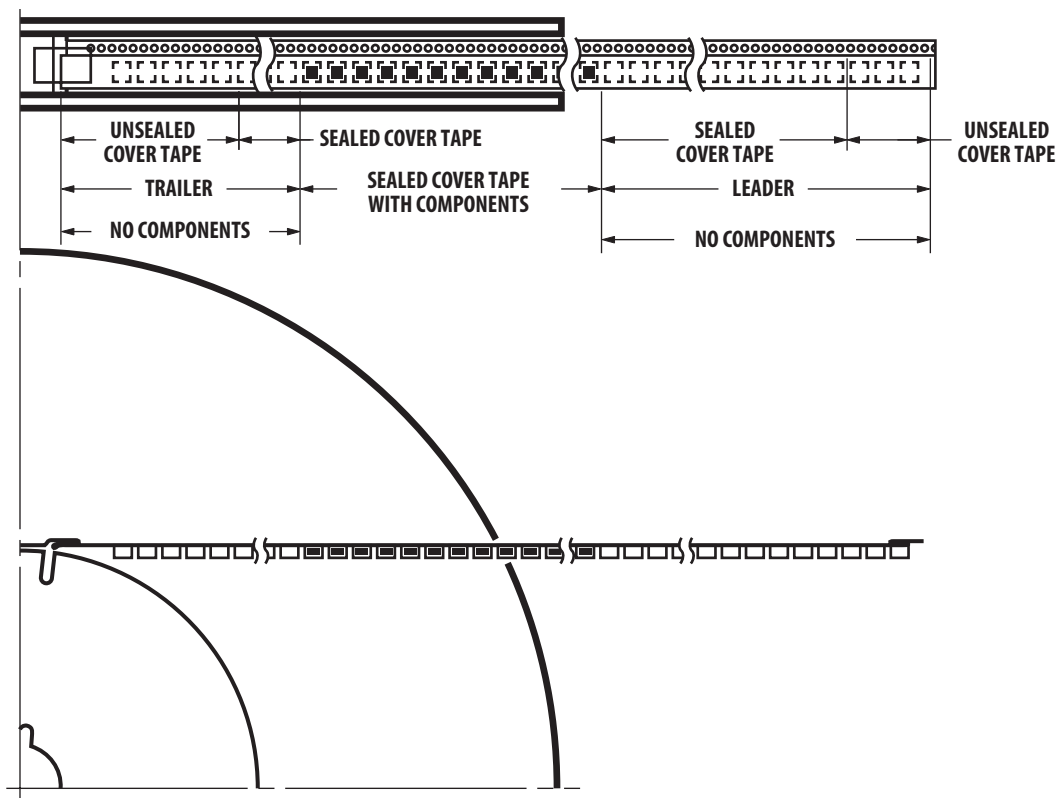


Table 10: Leader and Trailer Dimensions, DIP Packages^a

Item	DIP4 (300 mil)	DIP6 (300 mil)	DIP8 (300 mil)	DIP8 (400 mil)
Leader				
Unsealed Cover Tape	24 (2 pockets)	24 (2 pockets)	24 (2 pockets)	80 (5 pockets)
Sealed Cover Tape with Empty Cavities	480 (40 pockets)	480 (40 pockets)	480 (40 pockets)	480 (30 pockets)
Trailer				
Unsealed Cover Tape	24 (2 pockets)	24 (2 pockets)	24 (2 pockets)	80 (5 pockets)
Sealed Cover Tape with Empty Cavities	240 (20 pockets)	240 (20 pockets)	240 (20 pockets)	272 (17 pockets)

a. Unit: mm.

Table 11: Leader and Trailer Dimensions, Stretch SO Packages^a

Item	Stretched SO6 (W)	Stretched (SO6 (P)	Stretched SO8 (K, C)	Stretched SO8 (H)	Stretched SO12	11/15-mm Stretched SO8
Leader						
Unsealed Cover Tape	32 (2 pockets)	24 (2 pockets)	32 (2 pockets)	24 (2 pockets)	24 (2 pockets)	24 (2 pockets)
Sealed Cover Tape with Empty Cavities	480 (30 pockets)	480 (40 pockets)	480 (30 pockets)	480 (40 pockets)	480 (40 pockets)	480 (40 pockets)
Trailer						
Unsealed Cover Tape	32 (2 pockets)	24 (2 pockets)	32 (2 pockets)	24 (2 pockets)	24 (2 pockets)	24 (2 pockets)
Sealed Cover Tape with Empty Cavities	240 (15 pockets)	240 (20 pockets)	240 (15 pockets)	240 (20 pockets)	240 (20 pockets)	240 (20 pockets)

a. Unit: mm.

Table 12: Leader and Trailer Dimensions, SO Packages^a

Item	SO4	SO5	SO8	SO16	SO24
Leader					
Unsealed Cover Tape	24 (3 pockets)	24 (3 pockets)	24 (3 pockets)	32 (2 pockets)	32 (2 pockets)
Sealed Cover Tape with Empty Cavities	504 (63 pockets)	480 (40 pockets)	504 (63 pockets)	320 (20 pockets)	320 (20 pockets)
Trailer					
Unsealed Cover Tape	40 (5 pockets)	40 (5 pockets)	40 (5 pockets)	32 (2 pockets)	32 (2 pockets)
Sealed Cover Tape with Empty Cavities	304 (38 pockets)	240 (20 pockets)	304 (38 pockets)	320 (20 pockets)	320 (20 pockets)

a. Unit: mm.

Table 13: Leader and Trailer Dimensions, Other SO Packages^a

Item	SO4 ^b	SO8 ^b	SO8 ^d	SO16 ^b	SO8 ^c	SO16 ^c
Leader						
Unsealed Cover Tape	24 (2 pockets)	24 (3 pockets)	24 (2 pockets)	24 (2 pockets)	24 (3 pockets)	32 (2 pockets)
Sealed Cover Tape with Empty Cavities	420 ± 36	420 ± 36	420 ± 36	420 ± 36	504 (20 pockets)	320 (20 pockets)
Trailer						
Unsealed Cover Tape	N/A	N/A	N/A	N/A	40 (5 pockets)	32 (2 pockets)
Sealed Cover Tape with Empty Cavities	180 ± 36	180 ± 36	180 ± 36	180 ± 36	304 (38 pockets)	320 (20 pockets)

a. Unit: mm.

b. Half-pitch (1.27-in.) phototransistor packages.

c. Multichannel thin SO packages (ACSL-6xx0).

d. Thin SO packages (ACHS-7xxx).

Materials

Table 14: Materials Descriptions, DIP Packages

Item	DIP4 (300 mil)	DIP6 (300 mil)	DIP8 (300 mil)	DIP8 (400 mil)	Stretched SO6 (P, W)	Stretched SO8 (H, K, C)	11/15-mm Stretched SO8
Carrier Tape							
Material	Anti-Static PS	Static Dissipative PS		Static Dissipative PS			
Color	Black	Black		Black			
Cover Tape							
Material	Anti-Static PS	Conductive Polyester Film		Conductive Polyester Film			
Color	Transparent	Transparent		Transparent			
Peel-off Strength	N/A	55g ± 35g		55g ± 35g			
Reel Material	Anti-Static PS	Anti-Static PS		Anti-Static PS			

Table 15: Materials Descriptions, SO Packages

Item	SO4	SO5	SO8	SO16	SO24
Carrier Tape					
Material	Anti-Static PS	Conductive PC	Conductive PC	Static Dissipative PS	
Color	Black	Black	Black	Black	
Cover Tape					
Material	Anti-Static PS	Conductive Polyester Film		Conductive Polyester Film	
Color	Transparent	Transparent		Transparent	
Peel-off Strength	NA	40g ± 30g	55g ± 35g	55g ± 35g	
Reel Material	Anti-Static PS		Anti-Static PS	Anti-Static PS	

Table 16: Materials Descriptions, Other SO Packages

Item	SO4 ^b	SO8 ^b	SO8 ^d	SO16 ^b	SO8 ^c	SO16 ^c
Carrier Tape						
Material	Anti-Static PS	Anti-Static PS	Conductive PC	Anti-Static PS	Static Dissipative PS	
Color	Black	Black	Black	Black	Black	
Cover Tape						
Material	Anti-Static PS	Anti-Static PS	Conductive Polyester Film	Anti-Static PS	Conductive Polyester Film	
Color	Transparent	Transparent	Transparent	Transparent	Transparent	
Peel-off Strength	20g to 100g	20g to 100g	55g ± 35g	30g to 90g	55g ± 35g	
Reel Material	Anti-Static PS	Anti-Static PS	Anti-Static PS	Anti-Static PS	Anti-Static PS	

b. Half-pitch (1.27-in.) phototransistor packages.

c. Multichannel thin SO packages (ACSL-6xx0).

d. Thin SO packages (ACHS-7xxx).

Tape and Reel Packaging Option for Solid-State Relays (Photo MOSFET)

Package Type	Option	Tape Width	Reel Diameter	Quantity per Reel	Minimum Order Quantity
SO4_SSR	-503E	12 mm	33 cm	1500	1500
SO8_SSR	-505E	16 mm	33 cm	1500	1500
SO16_SSR	ASSR-601J/V/T Tape and Reel packaging dimension Option 500 follows the standard SO16 Option 500 plastic optocoupler information. See page 2 to 11.				
DIP6_SSR (300 mil) ^a	-501E	16 mm	33 cm	1000	1000
DIP8_SSR (300 mil) ^a	-502E	16 mm	33 cm	1000	1000

a. For gull wing surface mount dimensions and recommended land pattern, refer to the data sheet of relevant part numbers.

Tape Dimensions for Solid-State Relays (Photo MOSFET)

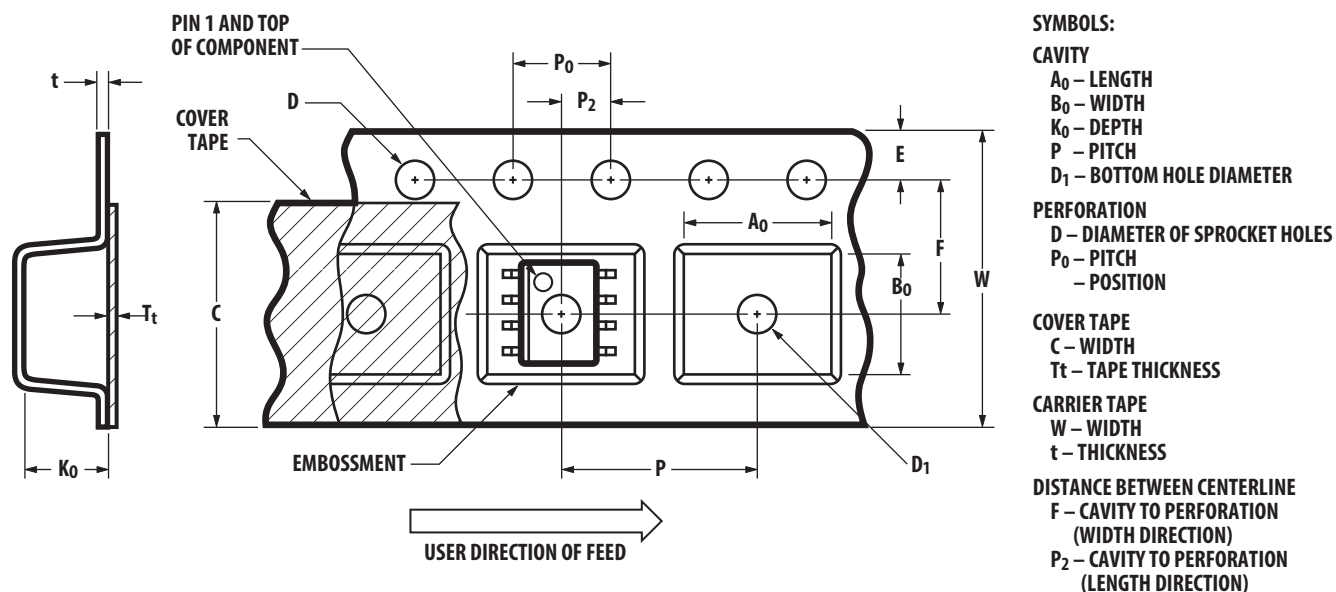
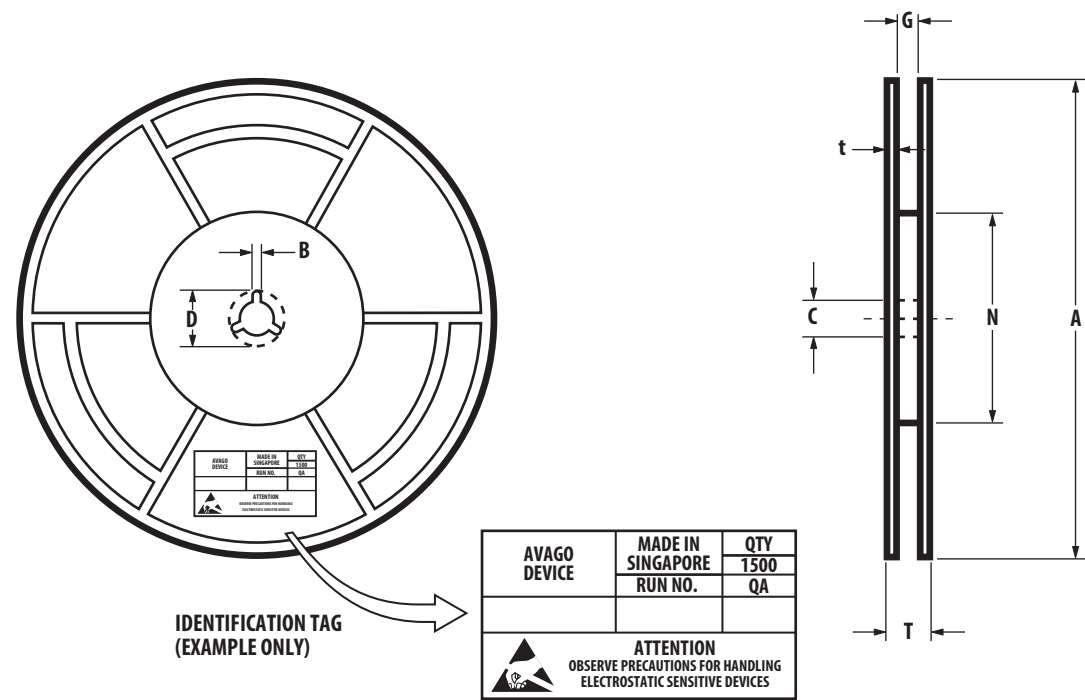


Table 17: Tape Dimensions for Solid-State Relay Packages^a

Symbol	SO4_SSR	SO8_SSR	DIP6_SSR (300 mil)	DIP8_SSR (300 mil)
A_0	7.08 ± 0.10	7.15 ± 0.10	10.36 ± 0.10	10.36 ± 0.10
B_0	4.58 ± 0.10	9.70 ± 0.10	10.29 ± 0.10	10.29 ± 0.10
K_0	2.55 ± 0.10	2.60 ± 0.10	4.90 ± 0.10	4.90 ± 0.10
P	12.00 ± 0.10	12.00 ± 0.10	12.00 ± 0.10	12.00 ± 0.10
D_1	1.55 ± 0.10	1.55 ± 0.10	1.5 min.	1.5 min.
D	1.55 ± 0.10	1.55 ± 0.10	1.55 ± 0.10	1.55 ± 0.10
P_0	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10	4.00 ± 0.10
E	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10	1.75 ± 0.10
W	12.00 ± 0.30	16.00 ± 0.30	16.00 ± 0.30	16.00 ± 0.30
t	0.30 ± 0.05	0.30 ± 0.05	0.40 ± 0.05	0.40 ± 0.05
F	5.50 ± 0.10	7.50 ± 0.10	7.50 ± 0.10	7.50 ± 0.10
P_2	2.00 ± 0.10	2.00 ± 0.10	2.00 ± 0.10	2.00 ± 0.10
C	9.30 ± 0.10	13.30 ± 0.10	13.30 ± 0.10	13.30 ± 0.10
T_t	0.061 ± 0.005	0.061 ± 0.005	0.061 ± 0.005	0.061 ± 0.005

a. Unit: mm.

Reel Dimensions for Solid-State Relays (Photo MOSFET)



NOTES:
1. DRAWING IS NOT TO SCALE.
2. TYPICAL VALUE ONLY.

SYMBOLS:

FLANGE
A – DIAMETER
t – THICKNESS
G – INTERNAL WIDTH
T – EXTERNAL WIDTH

HUB
N – OUTER DIAMETER
C – SPINDLE HOLE DIAMETER
B – KEY SLIT WIDTH
D – KEY SLIT DIAMETER

Table 18: Reel Dimensions for Solid-State Relay Packages^a

Symbol	SO4_SSR	SO8_SSR	DIP6_SSR (300 mil)	DIP8_SSR (300 mil)
A	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0	330.0 ± 2.0
t	2	2	2	2
G	12.4 +2.0 / –0.0	16.4 +2.0 / –0.0	16.4 +2.0 / –0.0	16.4 +2.0 / –0.0
T	16.4 +2.0 / –0.0	20.4 +2.0 / –0.0	20.4 +2.0 / –0.0	20.4 +2.0 / –0.0
N	100.0 ± 1.0	100.0 ± 1.0	100.0 ± 1.0	100.0 ± 1.0
C	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5	13.0 ± 0.5
B	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5
D	21.2 ± 0.8	21.0 +1.0 / –0.0	21.0 +1.0 / –0.0	21.0 +1.0 / –0.0

a. Unit: mm.

Packing – Leader and Trailer for Solid-State Relays (Photo MOSFET)

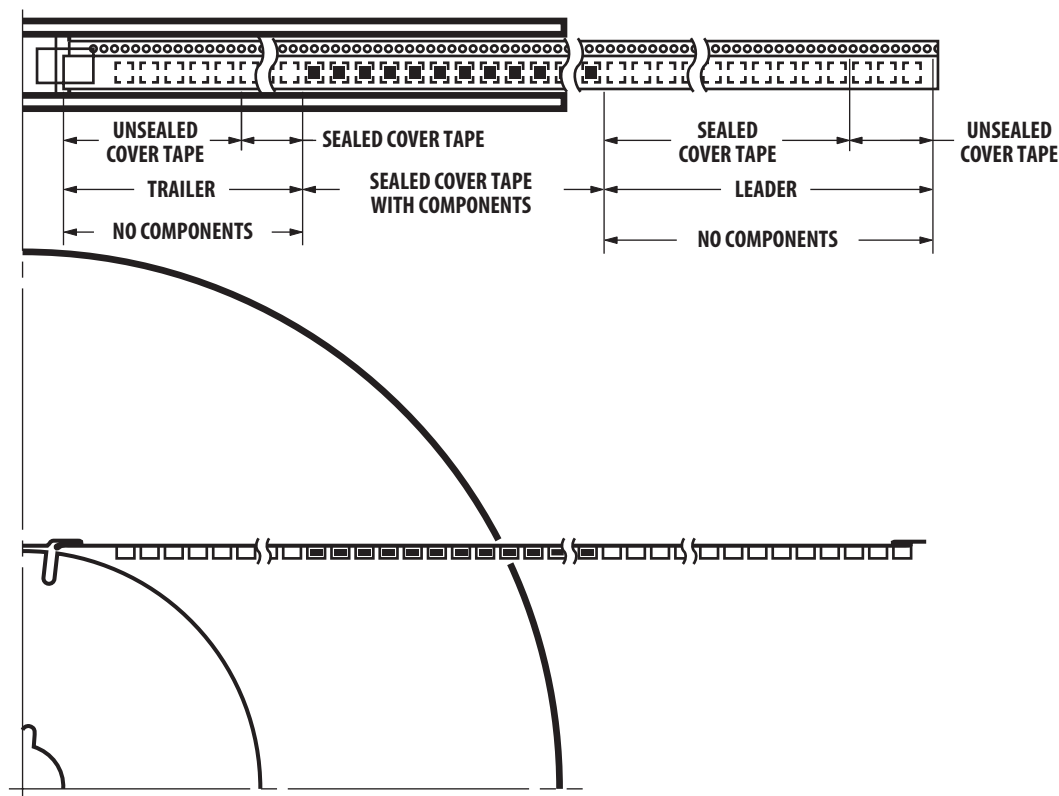


Table 19: Leader and Trailer Descriptions for Solid-State Relays^a

Item	SO4_SSR	SO8_SSR	DIP6_SSR (300 mil)	DIP8_SSR (300 mil)
Leader				
Unsealed Cover Tape	24 (3 Pockets)	24 (3 Pockets)	24 (2 Pockets)	24 (2 Pockets)
Sealed Cover Tape with Empty Cavity	504 (63 Pockets)	504 (63 Pockets)	480 (40 Pockets)	480 (40 Pockets)
Trailer				
Unsealed Cover Tape	40 (5 Pockets)	40 (5 Pockets)	24 (2 Pockets)	24 (2 Pockets)
Sealed Cover Tape with Empty Cavity	304 (38 Pockets)	304 (38 Pockets)	240 (20 Pockets)	240 (20 Pockets)

a. Unit: mm.

Materials for Solid-State Relays (Photo MOSFET)

Table 20: Materials Descriptions for Solid-State Relays

Item	SO4_SSR	SO8_SSR	DIP6_SSR (300 mil)	DIP8_SSR (300 mil)
Carrier Tape				
Material	Static Dissipative PS	Static Dissipative PS	Static Dissipative PS	Static Dissipative PS
Color	Black	Black	Black	Black
Cover Tape				
Material	Conductive Polyester Film	Conductive Polyester Film	Conductive Polyester Film	Conductive Polyester Film
Color	Transparent	Transparent	Transparent	Transparent
Peel-off Strength	40g ± 30g	55g ± 35g	55g ± 35g	55g ± 35g
Reel Material	Anti-Static P	Anti-Static PS	Anti-Static PS	

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