

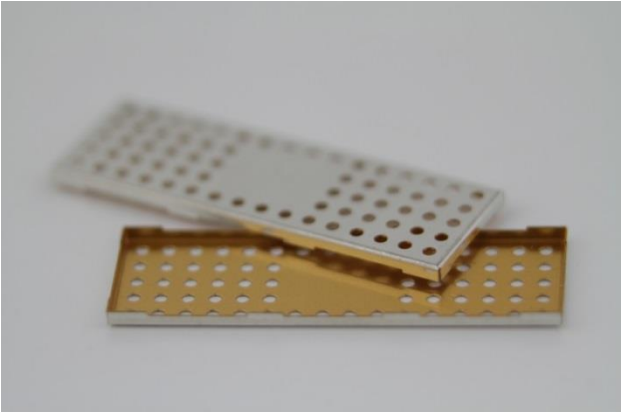
ONE PIECE SHIELDS FOR SOLDERING

SGH- 18,60x18,60x3,00x0,20-FS-OP

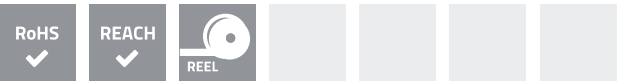
No matter whether they are for prototypes or for mass production, in small or large quantities, **board level shields** are a cost-efficient way to protect components directly on the printed circuit board (PCB).

One-piece board level shields represent the most cost-effective version with a maximum shielding effect. The cover is soldered on the PCB in a fully automated way.

- Basic material: SPTE
- Standard plating: tin
- Samples without tooling costs, serial quantities with low tooling costs
- Integration of thermally conductive gap fillers or microwave absorbers on request



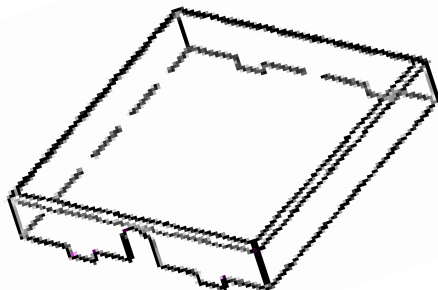
Picture only shows an example of a one-piece board level shield



PRODUCT SPECIFICATIONS

PROPERTY	VALUE
Thickness	0,20 mm
Length	18,60 mm
Width	18,60 mm
Height	3,00 mm
Material	Ni plated after stamping

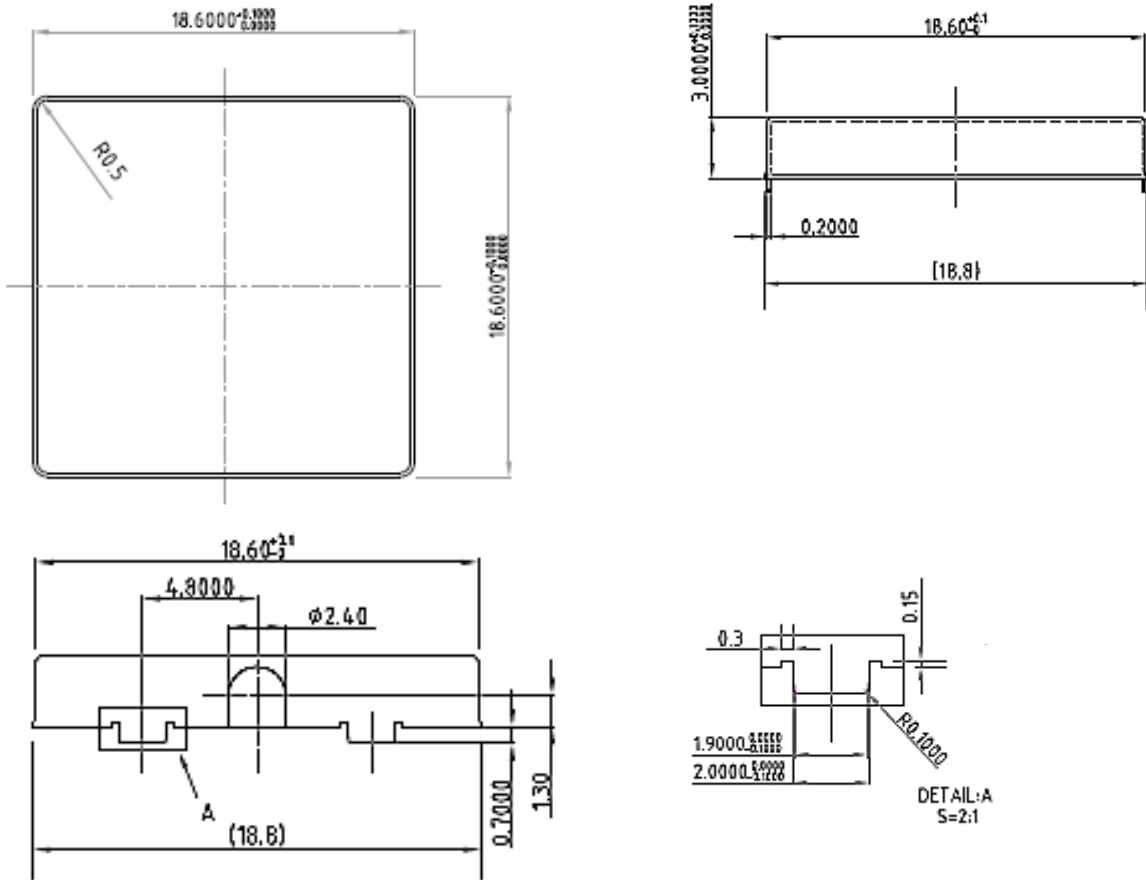
3D VIEW



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DIMENSIONS (mm)



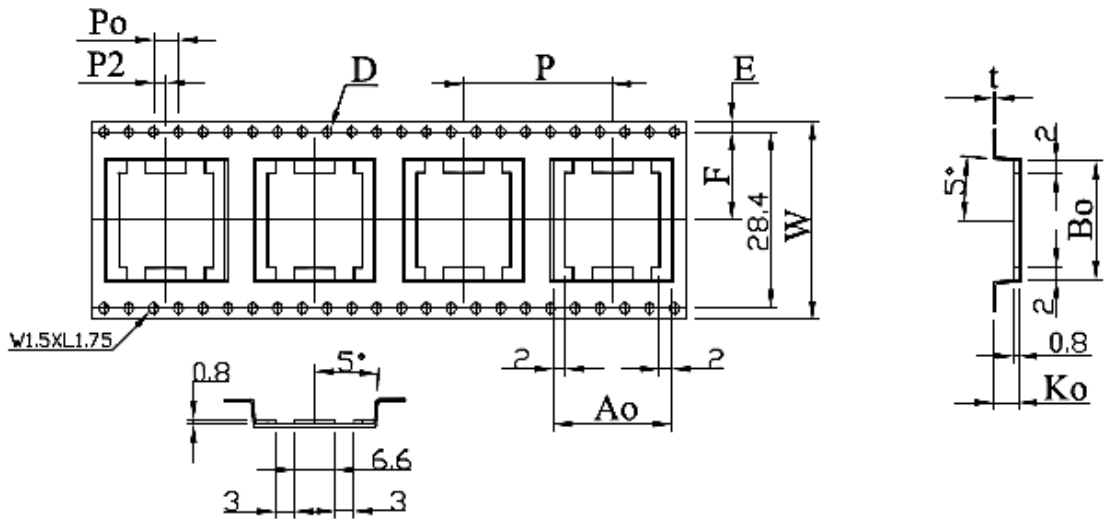
GENERAL TOLERANCE RANGE (mm)

PCB	± 1 Mil		
Machining	X= ±0,5	X.X= ±0,2	X.XX= ±0,1
Stamp	X= ±0,5	X.X= ±0,2	X.XX= ±0,1
Injection	X= ±1	X.X= ±0,5	X.XX= ±0,15
Casting	X= ±1	X.X= ±0,5	X.XX= ±0,15
Packing	X= ±6	X.X= ±3	X.XX= ±0,15
Assembly	X= ±4	X.X= ±2	X.XX= ±0,5
Angles	X= ±2°	X.X= ±1°	X.XX= ±0,5°

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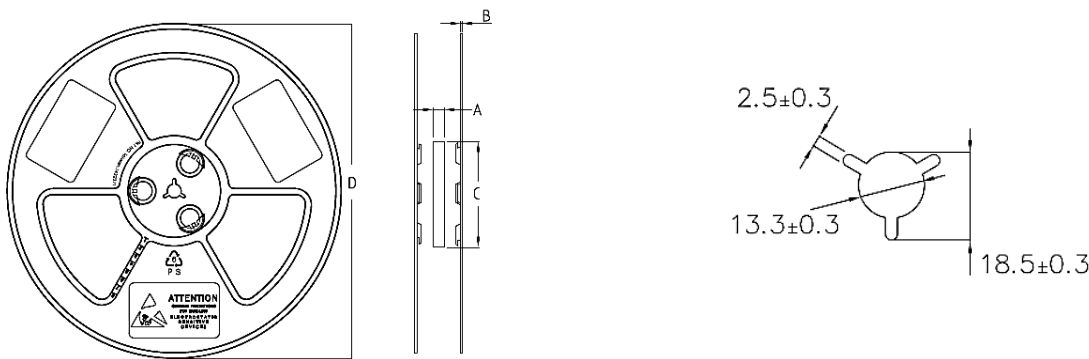
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PACKING SPECIFICATION – TAPE AND REEL (mm)



- All dimensions meet EIA-481-B requirements
- Material: black conductive polystyrene
- 10 sprocket hole pitch cumulative tolerance
- Carrier camber not to exceed 1 mm in 250 mm
- K0 measured from a plane 0,3 mm above the bottom of the pocket
- K0 measured from a plane on the inside bottom of the pocket to the top surface of the carrier
- Packing length per 22" reel: 45,0 meters (1:3)
- Component load per 13" reel: 600 pcs (before 8 after 16 pcs)

	A ₀	B ₀	K ₀
	44,80	44,80	10,20
Tolerance	± 0,10	± 0,10	± 0,10



	A	B	C	D
	32,50	2,20	100	330
Tolerance	+ 1,00 - 0,10	± 0,20	± 0,10	± 0,10

Packing 13" reel	A
Width	32,0
Material	HIPS

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