

A series production of electronic circuits on textile substrates is now available by using the FSD™ Technology. Electronic components, like LEDs, can be attached on textile and interconnected by conductive yarns. The electronic is fixed on a special sequin, which is free processable by an embroidery machine. Any components of the form factor 0805 can be attached on such a sequin device. Currently the FSDs are available with LED colour white and blue. ELITEX® XT yarn art. no. 117/f17/2ply\_PA/Ag is suggested for the interconnection.

## Technical data:

Dimensions:	Ø 7 mm
Material:	PI/Polyimid
Metallisation:	Copper
Surface:	Chemical Ni/Au
Component:	LED – form factor 0805 colour white (400 mcd, 140°) – 3,2 V (at 20 mA) colour blue (470 nm, 145 mcd, 140°)– 3,2 V (at 20 mA)

## Futher variants, special form (available on request):

Dimension rage:	Ø 3 mm to 9 mm
Component type:	SMD SMD-LED (single colour, multi colour), capacitors sensors and more

Form dimensions:	edge length: 0,5 mm to appr. 3,0 mm height up to 1,2 mm (such as. 0402, 0603, 0805, 1206, ...)
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