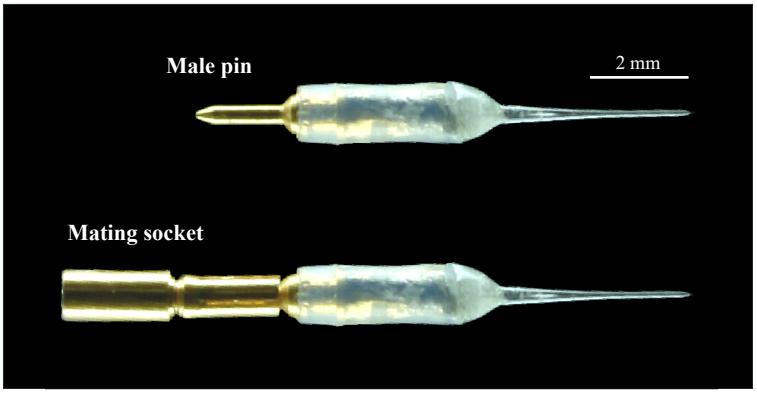
SpikeImplant-1

Implantable miniature carbon microelectrode for neuroelectrical and neurochemical recordings

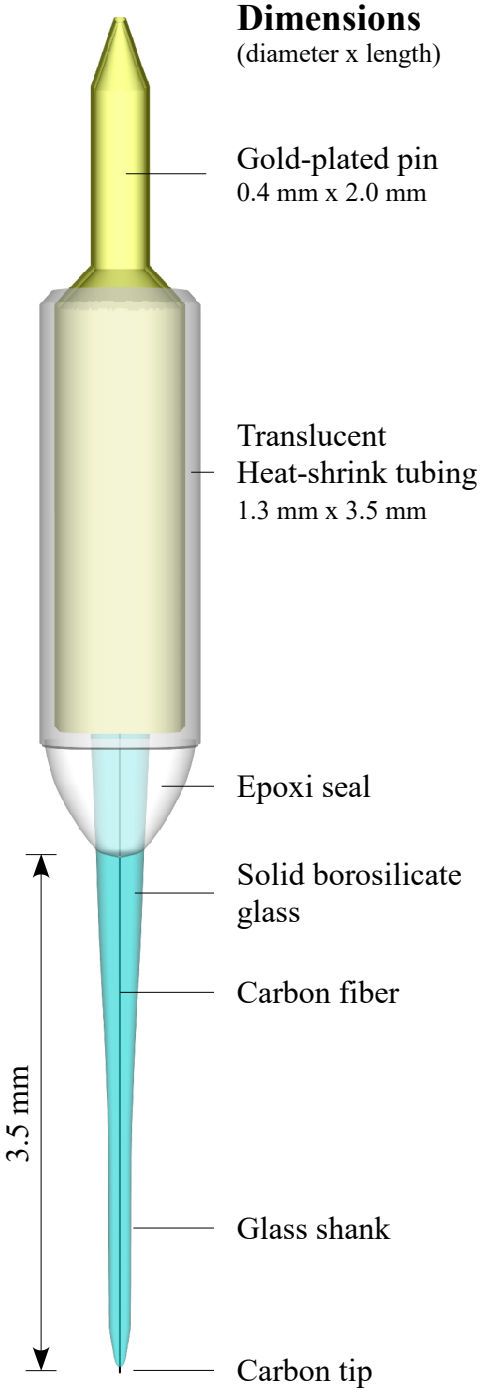
General view



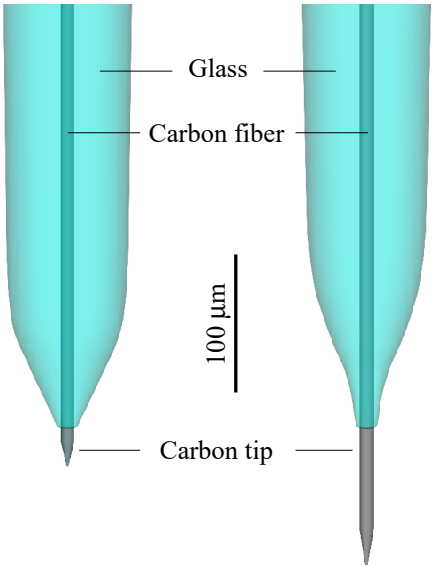


Dimensions

(diameter x length)



The tip



Part no.	ICFE21025	ICFE210100
Optimized for:	Spike recording	Electrochemistry
Carbon fiber:	10 µm, pitch type	10 µm, pitch type
Length of carbon tip:	25 µm	100 µm
Impedance @1KHz:	820 KΩ	150 KΩ
Active area, approx.:	500 μm^2	2 850 μm^2
Response to 1 µM DA*:	N/A	38 nA
Autoclavable to:	140 °C	140 °C

*Peak oxidation current of 1 µM dopamine using fast-scan cyclic voltammetry at 400V/s scan rate.

Order info:
Sold in boxes of 3 or 10 pieces.
Order example: ICFE21025-10, a box of 10 count microelectrode with 25 µm long carbon tip.

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