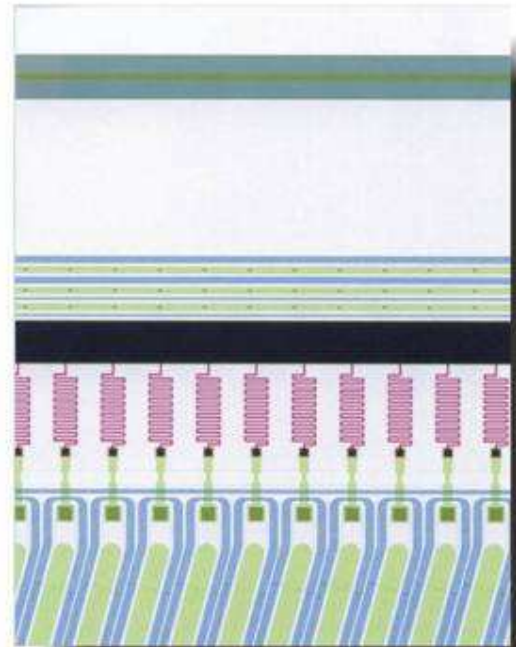
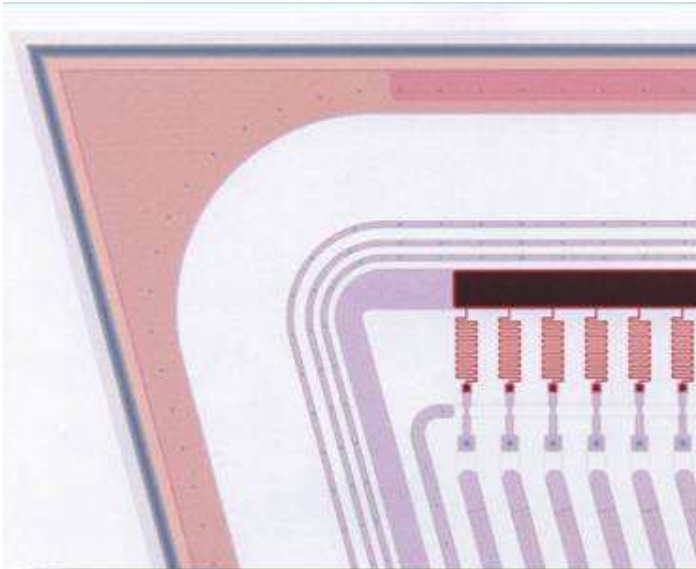


AC COUPLED ION IMPLANTED TOTALLY DEPLETED DOUBLE SIDED WEDGE MICROSTRIP DETECTOR



SILICON DETECTOR TYPE: AC coupled ion implanted totally depleted silicon microstrip detector.

DESIGN: Double sided wedge, 6 inch wafer technology



JUNCTION SIDE	
N ^o STRIPS:	516
STRIP PITCH:	160 μm
OHMIC SIDE	
N ^o STRIPS:	516
STRIP PITCH:	160 μm
POLYSILICON RESISTOR:	2.0 ± 0.5 MΩ
COUPLING CAPACITOR:	16 pF/cm
SILICON THICKNESS:	300 ± 10 μm
CHIP DIMENSIONS	
HEIGHT:	115.9 mm
BASE:	23.2 mm
HEIGHT:	85.4 mm
FULL DEPLETION VOLTAGE (FD):	50 V maximum
OPERATING VOLTAGE:	FD to 2FD
EXPERIMENTS:	HERMES, DESY

QUALITY ASSURANCE :ISO9001

