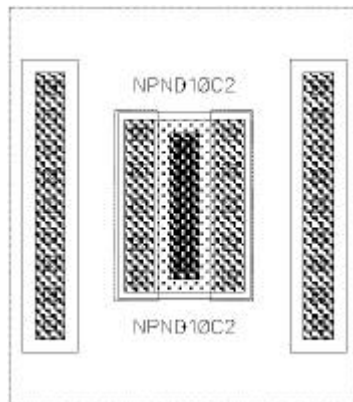
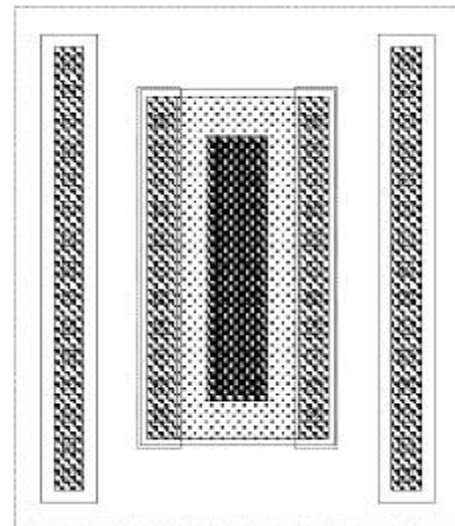


TRT Test Structures Fabricated by Temic January 99

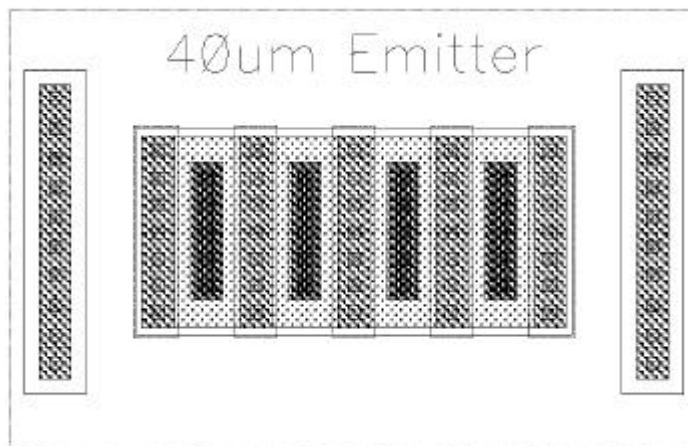
STANDARD GEOMETRY
10UM EMITTER NPN



INPUT PROTECTION
SHIELDED (COLLECTOR)
BASE EMITTER DIODE
20UM EMITTER NPN



IMPROVED ROBUSTNESS, BETTER R_B
EXPANDED GEOMETRY MULTI-STRIPE
4 X 10UM EMITTER NPN



DMILL TEST STRUCTURES

Shielded Input Protection With Standard NPN Amplifier primitive

Fails above 1.2 Mj Impulse Discharge
No Leakage observed up to 10^{14} P/cm²

