

Laboratori Nazionali di Frascati

LNF-69/36

R. Visentin : A SHORT DEAD TIME GATED-INTEGRATOR

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charges C_x , or gives a p. d. through R_x . When the gate is shut, D_1 conducts, D_x is turned off, and C_x is discharged in ≈ 20 ns. Thus the length of the output pulse is practically always equal to Δt . This circuit, used as fast gated integrator, has been tested at frequencies up to 12 Mc/sec in the range of input

currents cited above. When used as a linear gate, it operates at higher frequencies up to 20–25 Mc/sec.

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