PULSE TRANSFORMER REQUIREMENTS

1. Operating pulse output voltage _____ kV

2. Load resistance at operating voltage _____ Ω

3. Load capacitance (actual measured value in surroundings and dielectric in which load is to be used) _____ pF

4. Flat-top length ____ µS at ____ % voltage amplitude

5. Rise-time _____ µS from 10% to 90% voltage amplitude, assuming a voltage step-function resistive source

6. Overshoot ____ % (same assumptions as item 5)

7. Operating repetition rate _____ pps at _____ µS and _____ kV

8. Primary to secondary voltage ratio ____ : ____

9. **G** Matched source and load impedance, or
   Primary source impedance _____ Ω

10. Polarity of primary and secondary voltages:
    G same **G** opposite **G** interchangeable

11. Droop of flat top ____ %

12. Secondary low end insulation to core and base-plate (volts):
    ac _____ dc _____ pulse _____ **G** none

13. Primary low end insulation to core and base-plate (volts):
    ac _____ dc _____ pulse _____ **G** none

14. Type of secondary winding: **G** Monofilar **G** Bifilar
    Current through bifilar windings _____ A
    Voltage between bifilar windings _____ V

15. Accessories: **G** Filament transformer (if bifilar)
    G Current monitor
    G Voltage divider

16. Other specifications: _____
    _____