



7812 CIRCUIT REPEATED TWICE FOR 6SJ7 & 6SL7 HEATERS WHICH ARE CONNECTED AS L & R SERIES PAIRS.

12VDC TO RELAYS

525V

450V

+12VDC

POWER MANAGEMENT CIRCUIT:
 Delays energisation of 6X4 (& thus B+). Approximately 30s delay then 6X4 ramps the regulator up.
 SW2: OPERATE & STANDBY MODES
 ORANGE - STANDBY: GREEN - OPERATE

RECOMMENDED COMPONENTS:
 Resistors, Reoderstein MK3 (1/2W, 1%) unless stated otherwise.
 Electrolytic capacitors, Nichicon or Panasonic.
 Film capacitors, Solen or AEON.
 L1 is potted to prevent buzz

NOTE:
 Actual value of R15 for 450V will depend on the Zener tolerance and the voltage at which the Zeners reach thermal equilibrium.

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LINE IEC CONNECTOR

2 X -300V TO 6SJ7s