

Tube BY1161



Maker:	English Electric Valve Company Limited
Function:	RF Power Triode
Type:	BY1161
Year:	1969
Maximum Output Power CW (P_{om}):	120 kW
Maximum Anode Modulated AM Power	40 kW
Operation Frequency (F_o):	10 MHz to 30 MHz
Filament Power	11 V/115 A
Maximum Anode Voltage V_{am}:	14 kV
Amplification Factor	90
Maximum Cathode Current	60 A
Maximum Grid Voltage	1200 V
Efficiency at 55 kW	83%
Max. Operating Temperature (T_m):	170 °C
Dimensions:	525 mm x 251 mm
Weight:	24 kg
Refrigeration:	Cooled Water Vapour

This tube was used by [Deutsche Well](#) in Sines radio transmitter and was donated to Faraday Museum by José Silvestre, see part of his radio collection in [Radiomuseum](#).