

DOUBLE DIODE

Double diode with separate cathodes.

QUICK REFERENCE DATA			
A.C. supply voltage	V_{tr}	150	V _{RMS}
D.C. current per system	I_o	9	mA

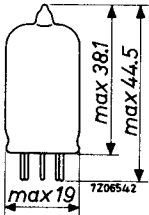
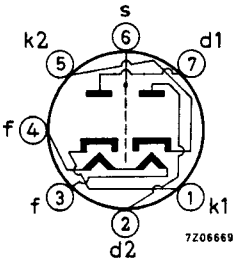
HEATING: Indirect by A.C. or D.C.; series or parallel supply

Heater voltage	V_f	6.3	V
Heater current	I_f	300	mA

DIMENSIONS AND CONNECTIONS

Dimensions in mm

Base: Miniature



CAPACITANCES

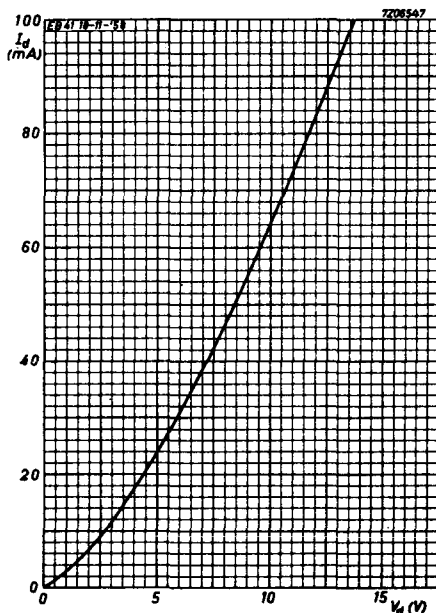
		With external shield	Without external shield
Diode No. 1 to all	C_{d1}	3.0	2.5 pF
Diode No. 2 to all	C_{d2}	3.0	2.5 pF
Diode No. 1 to diode No. 2	C_{d1d2}	max. 0.026	max. 0.068 pF
Cathode No. 1 to all	C_{k1}	3.4	3.4 pF
Cathode No. 2 to all	C_{k2}	3.4	3.4 pF

LIMITING VALUES Design centre rating system. (Each system)

Diode voltage, negative peak	$-V_{dp}$	max. 420 V
Diode current	I_d	max. 9 mA
Diode current, peak	I_{dp}	max. 54 mA
Cathode to heater voltage peak (k neg)	V_{kfp} (k neg)	max. 150 V
Cathode to heater voltage, peak (k pos)	V_{kfp} (k pos)	max. 330 V
D.C. component		max. 200 V
A.C. component		max. 165 V _{RMS}

As half wave rectifier

A.C. supply voltage	V_{tr}	max. 150 V _{RMS}
D.C. current	I_o	max. 9 mA
Input capacitor of smoothing filter	C_{filt}	max. 8 μF
Protecting resistance	R_t	min. 300 Ω
Cathode to heater voltage, peak (k pos)	V_{kfp} (k pos)	max. 330 V
D.C. component		max. 200 V
A.C. component		max. 165 V _{RMS}



PHILIPS

Data handbook



**Electronic
components
and materials**

EAA91

page	sheet	date
1	1	1972.02
2	2	1970.01
3	FP	1999.08.14