

NAPC/PHILIPS SEMICON

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SILICON E.H.T. SOFT-RECOVERY RECTIFIER DIODES*

E.H.T. rectifier diodes in glass envelopes intended for use in high-voltage applications such as the high-voltage supply of television receivers and monitors. The devices feature non-snap-off characteristics. Because of the small envelope, the diodes should be used in a suitable insulating medium (resin, oil or special arrangements in test-cases).

QUICK REFERENCE DATA

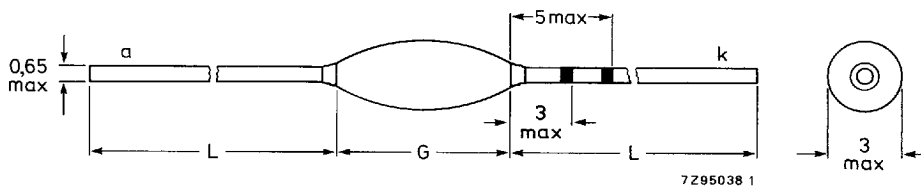
		BY707	708	709
Working reverse voltage	V_{RW} max.	9	10	12 kV
Repetitive peak reverse voltage	V_{RRM} max.	10	12	14 kV
Average forward current	$I_{F(AV)}$ max.	4		mA
Junction temperature	T_j max.	120		°C
Reverse recovery charge	Q_s	1		nC
Reverse recovery time	t_{rr} typ.	0,2		µs

MECHANICAL DATA

Dimensions in mm

Fig. 1 SOD-61.

L = 29 min.
G = 9,5 max.



The cathode of the BY707 is indicated by two red bands on the lead.
The cathode of the BY708 is indicated by a red band on the lead.
The cathode of the BY709 is indicated by a red band (inner) and a violet band (outer) on the lead.

*See also "Custom made E.H.T. stacks" in section "General".