

**500mW BZX79 Series Zener Diodes****Philips Semiconductors**

A range of silicon planar zener diodes intended for use as low voltage stabilisers or voltage references. DO-35 envelopes,  $\pm 5\%$  range.

**technical specification**

Maximum power dissipation

(If leads are kept at 59°C at 8 mm from body)

Non-repetitive peak reverse power dissipation 30 W (max.)

Maximum junction temp  $V_Z < 3\text{ V}$  150°C

$V_Z \geq 3\text{ V}$  200°C

Thermal resistance from junction to tie point 0-30°C/mW

$\theta_{JA}$  for p.c.b. mounting

$< 50\text{ mm}^2$  Cu 310°C/mW for 5 to 25 mm leads

$> 100\text{ mm}^2$  Cu 275°C to 340°C/mW for 5 to 25 mm leads

<b>SSM = 5</b>						
$V_Z$	slope res. ( $\Omega$ max.)	temp. coeff. (mV/°C max)	stock no.	price each		
				5-45	50-95	100-995
2.4	100	-1.6	283-570	£0.034	£0.028	£0.02
2.7	100	-2.0	283-586	£0.034	£0.028	£0.02
3.0	95	-2.1	283-592	£0.034	£0.028	£0.02
3.3	95	-2.4	283-609	£0.034	£0.028	£0.02
3.6	90	-2.4	283-615	£0.034	£0.028	£0.02
3.9	90	-2.5	283-621	£0.034	£0.028	£0.02
4.3	90	-2.5	283-637	£0.034	£0.028	£0.02
4.7	80	-1.4	283-643	£0.034	£0.028	£0.02
5.1	60	-0.8	283-659	£0.034	£0.028	£0.02
5.6	40	1.2	283-665	£0.034	£0.028	£0.02
6.2	10	2.3	283-671	£0.034	£0.028	£0.02
6.8	15	3.0	283-687	£0.034	£0.028	£0.02
7.5	15	4.0	283-693	£0.034	£0.028	£0.02
8.2	15	4.6	283-700	£0.034	£0.028	£0.02
9.1	15	5.5	283-716	£0.034	£0.028	£0.02
10	20	6.4	283-722	£0.034	£0.028	£0.02
12	25	8.4	283-738	£0.034	£0.028	£0.02
15	30	11.4	283-744	£0.034	£0.028	£0.02
18	45	14.4	283-750	£0.034	£0.028	£0.02
22	55	18.4	■ 283-766	£0.034	£0.028	£0.02
27	80	23.4	■ 283-772	£0.034	£0.028	£0.02
33	80	29.7	283-788	£0.034	£0.028	£0.02
39	130	36.4	■ 283-794	£0.034	£0.028	£0.02
47	170	46.1	■ 283-801	£0.034	£0.028	£0.02
56	200	57.0	283-817	£0.034	£0.028	£0.02
68	240	71.7	283-823	£0.034	£0.028	£0.02
75	255	80.2	283-839	£0.034	£0.028	£0.02

Request 1 of 956-228 to order the SSM of each item in the range from 2.4V to 75V