



## Rectifier Diode Chips

DWN = cathode on top, DWP = anode on top

Type	V <sub>max</sub> V	I <sub>max</sub> 25°C mA	I <sub>trp</sub> 180°C mA	V <sub>r</sub> @ I <sub>r</sub> T <sub>j</sub> = 25°C		V <sub>trv</sub> V	r <sub>t</sub> mΩ	I <sub>avg</sub> @ 10 ms 45°C A	I <sub>avg</sub> @ I <sub>trv</sub> T <sub>j</sub> = 180°C T <sub>j</sub> = 70°C		Chips per Water 100 mm <sup>2</sup> Ø
				V	A				A	10W	
DWN 5 -08/12	800 - 1200	0.005	1	1.1	7	0.8	35	140	14	2.8	716
DWN 2 -12/16	1200 - 1600	0.005	1	1.1	7	0.8	30	150	15	2.8	754
DWN 9 -12/16	1200 - 1800	0.010	2	1.26	30		13.1	300	26	1.8	432
DWN 17 -12/18		0.020	2	1.35	50		10.5	400	31	1.6	324
DWN 21 -12/18		0.020	3	1.33	80		6.5	600	42	1.3	214
DWN 35 -12/18		0.050	4	1.22	80		4.8	850	53	1.15	158
DWN 50 -12/18		0.050	4.5	1.28	150		3.7	1100	64	0.9	119
DWN 75 -12/18		0.100	6	1.25	200		2.4	1800	83	0.75	76
DWN 110 -12/18		0.100	10	1.15	300		1.23	3800	157	0.4	37
DWN 340 -12/18	0.500	15	1.05	300		0.75	5900	250	0.25	21	
DWN 347 -12/18	0.500	20	1.08	600		0.45	10500	400	0.16	11	
DWN 108 -16/22	1600 - 2200	0.100	15	1.15	300	0.85	1.35	3400	152	0.4	37
DWP 5 -08/12	800 - 1200	0.005	1	1.1	7	0.8	30	140	14	2.8	716
DWP 17 -12/18	1200 - 1800	0.020	2	1.35	50	0.8	10.5	400	31	1.6	324
DWP 21 -12/18		0.020	3	1.33	80		6.5	600	42	1.3	214
DWP 35 -12/18		0.050	4	1.22	80		4.8	850	53	1.05	158
DWP 50 -12/18		0.050	4.5	1.28	150		3.7	1100	64	0.9	119
DWP 75 -12/18		0.100	6	1.25	200		2.4	1800	83	0.75	76
DWP 110 -12/18		0.100	10	1.15	300		1.23	3800	157	0.4	37

- Specified values refer to chips only, assembly parts are not included
- Specified values can only be obtained in void-free assemblies according to our assembly recommendations !

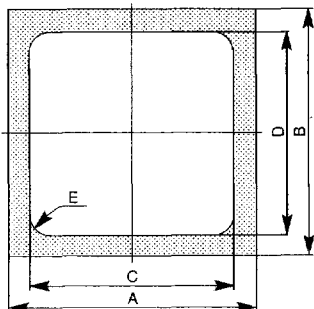
metalization Ti/Ni/Ag\*

Si-thick

Glass

metalization Ti/Ni/Ag

\* alternative on request Al  
Example: DWN 35-12/18B  
B = Bondable topside



IXYS reserves the right to change limits, test conditions and dimensions.



## Rectifier Diode Chips

### Dimensions in mm

Type	thickness. mm	A mm	B mm	C mm	D mm	E mm
DWN 5-08/12	0.265	4.40	2.10	3.30	1.00	0.30
DWN 2-12/16	0.265	2.95	2.95	1.75	1.75	0.15
DWN 9-12/16		3.90	3.90	2.60	2.60	0.15
DWN 17-12/18		4.45	4.45	3.05	3.05	0.30
DWN 21-12/18		5.40	5.40	4.00	4.00	0.30
DWN 35-12/18		6.20	6.20	4.80	4.80	0.40
DWN 50-12/18		7.10	7.10	5.70	5.70	0.54
DWN 75-12/18		8.70	8.70	7.30	7.30	0.40
DWN 110-12/18		12.30	12.30	10.90	10.90	0.40
DWN 340-12/18		16.20	16.20	14.60	14.60	0.40
DWN 347-12/18		18.50	25.30	17.10	23.90	3.79
DWN 108-16/22	0.315	12.30	12.30	10.90	10.90	0.40
DWP 5-08/12	0.265	4.40	2.10	3.30	1.00	0.30
DWP 17-12/18	0.265	4.45	4.45	3.05	3.05	0.30
DWP 21-12/18		5.40	5.40	4.00	4.00	0.30
DWP 35-12/18		6.20	6.20	4.80	4.80	0.40
DWP 50-12/18		7.10	7.10	5.70	5.70	0.54
DWP 75-12/18		8.70	8.70	7.30	7.30	0.40
DWP 110-12/18		12.30	12.30	10.90	10.90	0.40
Tolerance		-0.1	-0.1	+0.1	+0.1	+0.1

### Dimensions in inch

Type	thickness. inch	A inch	B inch	C inch	D inch	E inch
DWN 5-08/12	0.010	0.173	0.083	0.130	0.039	0.012
DWN 2-12/18	0.010	0.116	0.116	0.069	0.069	0.006
DWN 9-12/18		0.153	0.153	0.102	0.102	0.006
DWN 17-12/18		0.175	0.175	0.120	0.120	0.012
DWN 21-12/18		0.213	0.213	0.157	0.157	0.012
DWN 35-12/18		0.244	0.244	0.189	0.189	0.016
DWN 50-12/18		0.280	0.280	0.224	0.224	0.012
DWN 75-12/18		0.343	0.343	0.287	0.287	0.016
DWN 110-12/18		0.484	0.484	0.429	0.429	0.016
DWN 340-12/18		0.638	0.638	0.575	0.575	0.016
DWN 347-12/18		0.728	0.996	0.673	0.941	0.150
DWN 108-16/22	0.012	0.484	0.484	0.429	0.429	0.016
DWP 5-08/12	0.010	0.173	0.083	0.130	0.039	0.012
DWP 17-12/18	0.010	0.175	0.175	0.120	0.120	0.012
DWP 21-12/18		0.213	0.213	0.157	0.157	0.012
DWP 35-12/18		0.244	0.244	0.189	0.189	0.012
DWP 50-12/18		0.280	0.280	0.224	0.224	0.012
DWP 75-12/18		0.343	0.343	0.287	0.287	0.012
DWP 110-12/18		0.484	0.484	0.429	0.429	0.016
Tolerance		-0.004	-0.004	+0.004	+0.004	+0.004

