

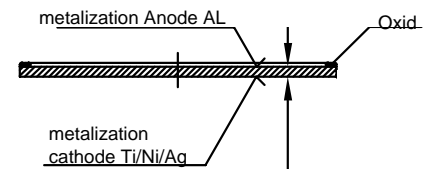
Schottky Diode Chips

Type	V_{RRM}	I_{FAVM}	$T_C @ R_{thJC}$		I_{FSM} 10 ms 45 °C A	I_R max.		$V_F @ I_F$				T_{VJM} °C	Chips Wfr. 125 mm Ø	Equivalent device data sheet
	V	A	°C	K/W		25 °C mA	125 °C mA	T_J 25 °C		T_J 125 °C				
								V	A	V	A			
DWS 19 DWS 29	15	20 35	135 130	1.4 1.1	350 660	10 20	200 350	0.41 0.39	20 40	0.27 0.27	20 40	150 150	990 515	DSSK 40-0015B DSSK 70-0015B
DWS 17	25	25	125	1.4	330	10	80	0.43	20	0.33	20	150	990	DSSK 50-0025B
DWS 4 DWS 14 DWS 24 DWS 34	35 / 45	10 16 25 60	157 159 148 120	2.5 2 1.5 1	140 280 550 800	0.15 0.25 0.5 1	2.5 5 10 20	0.65 20 40 60	10 20 40 60	0.55 20 40 60	10 20 40 60	175	1177 ① 990 515 344	DSS 10-0045A DSS 16-0045A DSS 25-0045A DSS 60-0045A
DWS 3 DWS 13 DWS 23 DWS 33	45	10 15 30 40	135 135 120 125	1.7 1.4 1.1 0.8	160 320 640 900	5 10 20 30	50 100 200 250	0.48 0.48 0.48 0.48	10 20 40 60	0.42 0.42 0.4 0.43	10 20 40 60	150 150 150 150	1177 ① 990 515 344	DSS 10-0045B DSSK 30-0045B DSSK 60-0045B DSSK 80-0045B
DWS 35 DWS 15 DWS 25 DWS 25 DWS 36	60 60 / 70 60 / 70 80 80	40 15 20 20 35	120 135 133 131 154	0.8 1.1 1.1 1.1 0.8	900 320 660 660 700	20 10 20 20 2	200 50 100 150 10	0.53 0.6 0.6 0.73 0.75	60 20 40 40 60	0.49 0.54 0.54 0.59 0.62	60 20 40 40 60	150 150 150 150 175	344 990 515 515 344	DSSK 80-006B DSSK 28-006B DSSK 40-006B DSSK 40-008B DSSK 70-008B
DWS 2 DWS 12 DWS 22 DWS 32	100	10 16 40 60	155 149 100 95	2 2 1.5 1	120 230 450 700	0.15 0.25 0.5 1	2.5 5 10 20	0.77 20 40 60	10 20 40 60	0.62 20 40 60	10 20 40 60	175	1177 ① 990 515 344	DSS 10-01A DSS 16-01A DSS 2x41-01A DSS 2x61-01A
DWS 1 DWS 11 DWS 31	150	5 10 30	165 165 155	1.7 1.4 0.8	120 200 700	0.15 0.25 1	2.5 5 5	0.8 0.81 0.81	10 20 60	0.66 0.66 0.66	10 20 60	175 175 175	1177 ① 990 344	DSSK 10-015A DSSK 20-015A DSSK 60-015A
DWS 1	180	5	165	1.7	120	0.15	2.5	0.8	10	0.66	10	175	1177 ①	DSSK 10-018A

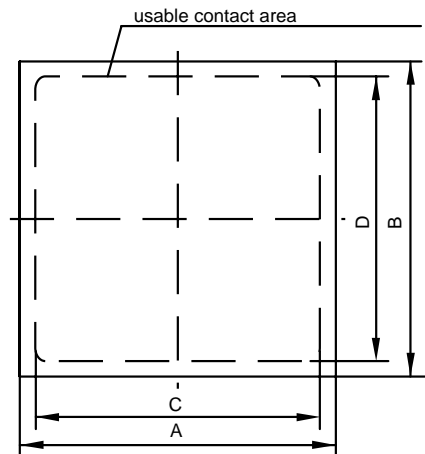
Further types under development, ① wafer 100 mm Ø

Dimensions in mm

Type	thickn. mm	A mm	B mm	C mm	D mm
DWS 1/2/3 DWS 11/12/13/15/17/19 DWS 22/23/29 DWS 31/32/33/35/36	0.381	2.40 3.25 4.45 5.40	2.40 3.25 4.45 5.40	2.08 2.93 4.13 5.08	2.08 2.93 4.13 5.08
DWS 4 DWS 14 DWS 24 DWS 34	0.381	2.40 3.25 4.45 5.40	2.40 3.25 4.45 5.40	2.08 2.93 4.13 5.08	2.08 2.93 4.13 5.08
Tolerance		-0.1	-0.1	-0.03	-0.03



solderable Anode metalization on request



Dimensions in inch

Type	thickness. inch	A inch	B inch	C inch	D inch
DWS 1/2/3 DWS 11/12/13/17/19 DWS 22/23/29 DWS 31/32/33	0.015	0.094 0.128 0.175 0.213	0.094 0.128 0.175 0.213	0.082 0.115 0.163 0.200	0.082 0.115 0.163 0.200
DWS 4 DWS 14 DWS 24 DWS 34	0.015	0.094 0.128 0.175 0.213	0.094 0.128 0.175 0.213	0.082 0.115 0.163 0.200	0.082 0.115 0.163 0.200
Tolerance		-0.04	-0.04	0.001	0.001

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