

RECTIFIER DEVICE - Rectifier Diodes - Stud Types

Old Part Number	PDF Data Sheet Available	New Part Number	V _{DRM} V _{RRM} Range (Note 3) (V)	I _{F(AV)} @ T _{CASE}	I _{F(RMS)} @ T _{CASE} 25°C	I _F @ T _{CASE} 25°C	I _{FSM(1)} 10ms V _σ ≤60% V _{RRM}	I _{FSM(2)} 10ms V _R ≤10V	I ² t ₍₂₎ 10ms	I _{RRM} @ T _J Max.	V _σ @ T _J Max.	r @ T _J Max.	V _{FM} at I _{FM} @ T _J Max.		T _J Max.	R _{th} J-c		R _{th} c-hs	Wt (typ)	Mounting Torque	Outline No. (Note 4)
				(A) (°C)	(A)	(A)	(Note 2) (A)	(Note 2) (A)	(Note 2) (A ² s)	(mA)	(Note 1) (V)	(Note 1) (M)	(V)	(A)	(°C)	d.c. 180o sine (K/W)	120° Rect. (K/W)	(K/W)	(g)	(kgf·m ⁻¹)	
SW04-15PHN300	N	W0508SP040-150	200-1500	508 (55)	600	600	5500	6050	183 x 10 ³	15	0.95	0.75	2.07	1500	180	0.13	0.14	0.04	250	2.77 - 2.5	100A281
SW04-15PHR300	N	W0508RP040-150	200-1500	508 (55)	600	600	5500	6050	183 x 10 ³	15	0.95	0.75	2.07	1500	180	0.13	0.14	0.04	250	2.77 - 2.5	
SW16-24PHN320	N	W0438SP160-240	1600-2400	438 (55)	600	600	4000	4400	97 x 10 ³	15	1.00	0.83	1.97	1160	180	0.15	0.16	0.04	250	2.77 - 2.5	100A280
SW16-24PHR320	N	W0438RP160-240	1600-2400	438 (55)	600	600	4000	4400	97 x 10 ³	15	1.00	0.83	1.97	1160	180	0.15	0.16	0.04	250	2.77 - 2.5	
SW16-24PHN380	N	W0503SP160-240	1600-2400	503 (55)	600	600	5500	6050	183 x 10 ³	15	0.99	0.74	1.85	1160	180	0.13	0.14	0.04	250	2.77 - 2.5	100A280
SW16-24PHR380	N	W0503RP160-240	1600-2400	503 (55)	600	600	5500	6050	183 x 10 ³	15	0.99	0.74	1.85	1160	180	0.13	0.14	0.04	250	2.77 - 2.5	
SW04-15PHN400	N	W0628SP040-150	200-1500	628 (55)	630	630	7500	8250	340 x 10 ³	15	0.80	0.55	1.62	1500	190	0.13	0.14	0.04	250	2.77 - 2.5	100A284
SW04-15PHR400	N	W0628RP040-150	200-1500	628 (55)	630	630	7500	8250	340 x 10 ³	15	0.80	0.55	1.62	1500	190	0.13	0.14	0.04	250	2.77 - 2.5	
SW04-15PHN470	N	W0735SP040-150	200-1500	735 (55)	550	550	9000	10000	500 x 10 ³	15	0.79	0.342	1.3	1500	190	0.13	0.14	0.04	250	2.77 - 2.5	100A284
SW04-15PHR470	N	W0735RP040-150	200-1500	735 (55)	550	550	9000	10000	500 x 10 ³	15	0.79	0.342	1.3	1500	190	0.13	0.14	0.04	250	2.77 - 2.5	

The information contained herein is confidential and is protected by Copyright. This information may not be used or disclosed except with the written permission of and in the manner permitted by the proprietors Wincor Electronics Limited. In the interest of product improvement, Wincor Electronics reserves the right to change specifications at any time without prior notice.

- Note 1 V_σ Threshold Voltage
r Slope resistance) for conduction loss and heatsink calculations AT T_J Max
- Note 2 I_{FSM} (8.3ms) = I_{FSM} (10ms) x 1.066 I²t (8.3ms) = I²t (10ms) x 0.943 at initial temperature T_J max
- Note 3 A blocking voltage derating factor of 0.13% per degree centigrade is applicable for T_J below 25°C
- Note 4 Leaded types, code changes from SP/RP (PHN/R), SN/RN (HHN/R) or SR/RR (PXN/R) . Lead length 135mm (base of hexagon to centre of lug hole).