

RECTIFIER DEVICE - Rectifier Diodes - Stud Types

Old Part Number	PDF Data Sheet Available	New Part Number	V_{DRM} V_{RRM}	$I_{F(AV)}$ @	$I_{F(RMS)}$ @	I_F @ T_{CASE}	$I_{FSM(1)}$ 10ms V_R	$I_{FSM(2)}$ 10ms V_R	$I^2t_{(2)}$	I_{RRM} @	V_o	r	V_{FM} at I_{FM} @ T_j	T_j Max.	Rth j-c		Rth c-hs	Wt (typ)	Mounting Torque	Outline No. (Note 4)	
			Range (Note 3)	T_{CASE} (A) (°C)	T_{CASE} 25°C (A)	25°C (A)	£60% V_{RRM} (Note 2) (A)	£10V (Note 2) (A)	10ms (Note 2) (A ² s)	Tj Max. (mA)	@ Tj Max. (Note 1) (V)	(Note 1) (M)	Max. (V)	(A)	(°C)	d.c. 180o sine (K/W)	120° Rect. (K/W)	(K/W)	(g)		(kgfm ⁻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	

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- Note 1 V_o Threshold Voltage
 r Slope resistance) for conduction loss and heatsink calculations AT Tj Max
- Note 2 I_{FSM} (8.3ms) = I_{FSM} (10ms) x 1.066 I^2t (8.3ms) = I^2t (10ms) x 0.943 at initial temperature Tj max
- Note 3 A blocking voltage derating factor of 0.13% per degree centigrade is applicable for Tj 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).