

RECTIFIER DEVICE - Rectifier Diodes - Medium Power 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	$I_{FSM(2)}$	$I^2t_{(2)}$	I_{RRM} @ T_j	V_o	r	V_{FM} at I_{FM} @	T_j Max.	Rth j-c		Rth c-hs	Wt.	Mounting Torque	Outline No. (Note 4)	
			Range	T_{CASE}	T_{CASE}	25°C	$V_R < 60\% V_{RRM}$	10ms $V_R < 10V$	10ms	Max.	@ T_j Max.	T_j Max.	d.c. 180° sine	120° Rect.	(K/W)	(K/W)	(K/W)	(typ.)			
			(V)	(A) (°C)	(A)	(A)	(A)	(A)	(A ² s)	(mA)	(V)	(M)	(V)	(A)	(°C)	(K/W)	(K/W)	(K/W)	(g)	(kgfm ⁻¹)	
SW06-12PCN075	N	W0174SR060-120	600-1200	174 (55)	118	118	1300	1495	11175	10	0.925	1.5	1.51	390	175	0.44	0.58	0.1	17	0.41-0.48	100A262
SW06-12PCR075	N	W0174RR060-120	600-1200	174 (55)	118	118	1300	1495	11175	10	0.925	1.5	1.51	390	175	0.44	0.58	0.1	17	0.41-0.48	

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Note 1 V_o Threshold Voltage) for conduction loss and heatsink calculations AT T_j Max
 r Slope resistance

Note 2 $I_{FSM}(8.3ms) = I_{FSM}(10ms) \times 1.066$ $I^2t(8.3ms) = I^2t(10ms) \times 0.943$ 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 Outline 100A262 - leaded types, code changes from SR/RR (PCN/R) to SP/RP (PHN/R). Lead length 135mm (base of hexagon to centre of lug hole).