





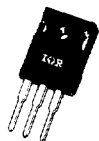


# Rectifiers

## Ultra-Fast Recovery

1 to 25 Amps

Other Products  
From IR

Part Number	V <sub>RWM</sub> (V)	I <sub>F(AV)</sub> @ T <sub>C</sub>		V <sub>FM</sub> @ I <sub>F(AV)</sub> (V)	I <sub>FSM</sub> <sup>(1)</sup> @ 60 Hz (A)	R <sub>thJC</sub> DC (°C/W)	Max. t <sub>rr</sub> (ns)	Case Outline Number	Notes	Case Style			
		(A)	(°C)										
10DF1	100	1	25	1.05	34	115	100	DO-204AL DO-41					
10DF2	200	1	25	1.05	34	115	100						
10DF4	400	1	25	1.20	34	115	100						
10DF6	600	1	25	1.20	34	115	100						
10DF8	800	1	25	1.20	34	115	100						
11DF1	100	1	63	0.98	31.4	115	35						
11DF2	200	1	63	0.98	31.4	115	35						
11DF3	300	1	63	1.25	31.4	115	30						
11DF4	400	1	63	1.25	31.4	115	30						
30DF1	100	3	40	1.05	90	80	200				C-16		
30DF2	200	3	40	1.05	90	80	200						
30DF4	400	3	40	1.25	90	80	200						
30DF6	600	3	40	1.25	90	80	200						
31DF1	100	3	57	0.98	62.8	80	35						
31DF2	200	3	57	0.98	62.8	80	35						
31DF3	300	3	57	1.25	62.8	80	30						
31DF4	400	3	57	1.25	62.8	80	30						
10MF2	200	1	122	0.98	28	160	50	D-64					
30WF10F	100	3.3	104	1.35	31.4	8	30	TO-252 D-PAK					
30WF20F	200	3.3	104	1.35	31.4	8	30						
30WF30F	300	3.3	104	1.35	31.4	8	30						
30WF40F	400	3.3	104	1.35	31.4	8	30						
50WF10F	100	5.5	104	1.1	47	6	40						
50WF20F	200	5.5	104	1.1	47	6	40						
50WF30F	300	5.5	104	1.1	47	6	40						
50WF40F	400	5.5	104	1.1	47	6	40						
6CWF10F	100	6.6	117	0.98	47	80	30						
6CWF20F	200	6.6	117	0.98	47	80	30						
10CTF10	100	10	117	0.98	84	3	35				TO-220AB		
10CTF20	200	10	117	0.98	84	3	35						
10CTF30	300	10	112	1.25	84	3	45						
10CTF40	400	10	112	1.25	84	3	45						
10JTF10	100	10	117	0.98	84	3	35						
10JTF20	200	10	117	0.98	84	3	35						
10JTF30	300	10	112	1.25	84	3	45						
10JTF40	400	10	112	1.25	84	3	45						
16CPF10	100	16	113	0.98	126	2	35	TO-247AA					
16CPF20	200	16	113	0.98	126	2	35						
16CPF30	300	16	109	1.25	126	2	45						
16CPF40	400	16	109	1.25	126	2	45						
16JPF10	100	16	113	0.98	126	2	35						
16JPF20	200	16	113	0.98	126	2	35						
16JPF30	300	16	109	1.25	126	2	45						
16JPF40	400	16	109	1.25	126	2	45						
25CPF10	100	25	93	0.98	157	2	50						
25CPF20	200	25	93	0.98	157	2	50						
25CPF30	300	25	85	1.25	183	2	60						
25CPF40	400	25	85	1.25	183	2	60						
25JPF10	100	25	93	0.98	157	2	50						
25JPF20	200	25	93	0.98	157	2	50						
25JPF30	300	25	85	1.25	183	2	60						
25JPF40	400	25	85	1.25	183	2	60						


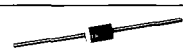



Notes: See page 49.

# Other Products From IR

# Rectifiers

## Standard Recovery

750 mA-50 Amps

Part Number	V <sub>RRM</sub> (V)	I <sub>F(AV)</sub> @ T <sub>C</sub>		I <sub>FSM</sub> (1)		V <sub>FM</sub> @ $\pi \times I_{F(AV)} (V)$	R <sub>thJC</sub> DC (°C/W)	Case Style	
		(A)	(°C)	50 Hz (A)	60 Hz (A)				
1N2069 1N2070 1N2071	200 400 600	0.75	25	21	22	1.2	0.25	D0-41 (D0-204AL) 	
1N2069A 1N2070A 1N2071A	200 400 600	0.75	25	21	22	1	0.25		
1N4001 1N4002 1N4003 1N4004 1N4005 1N4006 1N4007	50 100 200 400 600 800 1000	1	75	28	30	1.1	0.18		
10D05 10D1 10D2 10D4 10D6 10D8 10D10	50 100 200 400 600 800 1000	1.5	40	48	50	1.3	0.18		
1N4816 1N4817 1N4818 1N4819 1N4820 1N4821 1N4822 1N5052 1N5053 1N5054	50 100 200 300 400 50 600 70 800 1000	1.5	40	48	50	1.3			
20D05 20D1 20D2 20D4 20D6 20D8 20D10	50 100 200 400 600 800 1000	2	100	48	50	1.3			
40D1 40D2 40D4	100 200 400	4	120	190	200	1.1	10		C-16 
1N5401 1N5402 1N5404 1N5406 1N5407 1N5408	100 200 400 600 800 1000	3	105	191	200	1.2			D0-201AD 
21PT5 21PT10 21PT20 21PT40 21PT60	50 100 200 400 600	20	110	300	314	1.2	2		B-46 
4AF05NPP 4AF1NPP 4AF2NPP 4AF4NPP 4AF6NPP	50 100 200 400 600	25	150	300	314	1.25	0.8		B-47PP 
8AF05NPP 8AF1NPP 8AF2NPP 8AF4NPP	50 100 200 400	50	150	600	628	1.45	0.6		

(1) T<sub>j</sub> = T<sub>j</sub> max, 100% V<sub>RRM</sub> reapplied.

(2) For T<sub>C</sub> column read T<sub>tab</sub>.

(3) For R<sub>thJC</sub> column read R<sub>thJ</sub>-Tabs.

(4) Cathode to stud. For Anode to stud change

"N" to "R" in Basic part number, e.g., 4AF6RPP etc.

(5) V<sub>FM</sub> at rated I<sub>F(AV)</sub>.

(6) Available on tape reel.

(7) Additional packages available.