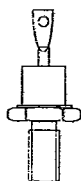


## Fast Recovery Rectifiers

6 TO 16 AMPS

International  
IOR Rectifier

T-03-01

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)	t <sub>rr</sub> (2) (ns)	Case Outline Number	Notes	Case style
		(A)	(°C)	50Hz (A)	60Hz (A)						
6FL10S02 6FL20S02 6FL40S02 6FL60S02	100 200 400 600	6	100	110	115	1.40	2.50	200	R6	(3) (5)	DO-203AA (DO-4) 
6FL10S05 6FL20S05 6FL40S05 6FL60S05 6FL80S05 6FL100S05	100 200 400 600 800 1000	6	100	110	115	1.40	2.50	500	R6	(3) (5)	
6FL10S10 6FL20S10 6FL40S10 6FL60S10 6FL80S10 6FL100S10	100 200 400 600 800 1000	6	100	110	115	1.40	2.50	1000	R6	(3) (5)	
1N3879 1N3880 1N3881 1N3882 1N3883	50 100 200 300 400	6	100	72	75	1.40	2.50	300	R6	(3) (5)	
1N3889 1N3890 1N3891 1N3892 1N3893	50 100 200 300 400	12	100	145	150	1.40	2.00	300	R6	(3) (5)	
12FL10S02 12FL20S02 12FL40S02 12FL60S02	100 200 400 600	12	100	145	150	1.40	2.00	200	R6	(3) (5)	
12FL10S05 12FL20S05 12FL40S05 12FL60S05 12FL80S05 12FL100S05	100 200 400 600 800 1000	12	100	145	150	1.40	2.00	500	R6	(3) (5)	
12FL10S10 12FL20S10 12FL40S10 12FL60S10 12FL80S10 12FL100S10	100 200 400 600 800 1000	12	100	145	150	1.40	2.00	1000	R6	(3) (5)	
16FL10S02 16FL20S02 16FL40S02 16FL60S02	100 200 400 600	16	100	180	190	1.40	1.60	200	R6	(3) (5)	
16FL10S05 16FL20S05 16FL40S05 16FL60S05 16FL80S05 16FL100S05	100 200 400 600 800 1000	16	100	180	190	1.40	1.60	500	R6	(3) (5)	
16FL10S10 16FL20S10 16FL40S10 16FL60S10 16FL80S10 16FL100S10	100 200 400 600 800 1000	16	100	180	190	1.40	1.60	1000	R6	(3) (5)	

(1) 100% V<sub>RRM</sub> reapplied @ T<sub>J</sub> = T<sub>J</sub> max = 150 °C.(2) t<sub>rr</sub> conditions : I<sub>FM</sub> =  $\pi \times I_{F(AV)}$  and di<sub>R</sub>/dt = 25 A/μs.

(3) Cathode-to-stud. For anode-to-stud, add "R" to basic part number (e.g., 12FLR10S02, 1N3879R).

(5) Available with metric stud; to specify add "M" to the end of part number (e.g., 6FL100S10M).