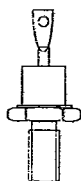


Fast Recovery Rectifiers

6 TO 16 AMPS

International
IOR Rectifier

T-03-01

| Part number | V _{RRM} (V) | I _{F(AV)} @T _C | | I _{FSM} (1) | | V _{FM} $\pi \times I_{F(AV)}$ (V) | R _{thJC} DC (°C/W) | t _{rr} (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_{RRM} reapplied @ T_J = T_J max = 150 °C.(2) t_{rr} conditions : I_{FM} = $\pi \times I_{F(AV)}$ and di_R/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).