



# SOFT RECOVERY/FAST SWITCHING RECTIFIERS

OPERATING AND STORAGE TEMPERATURE - 65°C to +150°C

SURGE PART NUMBER	Maximum Peak Reverse Voltage	Maximum Average Rectified Current @ Half-Wave Resistive Load 60Hz		Maximum Forward Peak Surge Current @ 8.3ms Superimposed	Maximum Reverse Current @ PRV @ 25°C T <sub>A</sub>	Maximum Forward Voltage @ 25°C T <sub>A</sub>		Maximum Reverse Recovery Time
	PRV	I <sub>o</sub> @ T <sub>A</sub>		I <sub>FM</sub> (Surge)	I <sub>R</sub>	I <sub>FM</sub>	V <sub>FM</sub>	T <sub>rr</sub>
	V <sub>PK</sub>	A <sub>AV</sub>	°C	A <sub>PK</sub>	μAdc	A <sub>PK</sub>	V <sub>PK</sub>	nS

## 1.0 AMPERE SOFT RECOVERY/FAST SWITCHING/DO-41 (CASE 5)

SFR101	50	1.0	55	30	5.0	1.0	1.3	120
SFR102	100	1.0	55	30	5.0	1.0	1.3	120
SFR103	200	1.0	55	30	5.0	1.0	1.3	120
SFR104	400	1.0	55	30	5.0	1.0	1.3	120
SFR105	600	1.0	55	30	5.0	1.0	1.3	200
SFR106	800	1.0	55	30	5.0	1.0	1.3	350
SFR107	1000	1.0	55	30	5.0	1.0	1.3	350

NOTE: Also Available in T-1 and A-405 Case Styles.

## 1.5 AMPERES SOFT RECOVERY/FAST SWITCHING/DO-15 (CASE 6)

SFR151	50	1.5	55	30	5.0	1.5	1.3	120
SFR152	100	1.5	55	30	5.0	1.5	1.3	120
SFR153	200	1.5	55	30	5.0	1.5	1.3	120
SFR154	400	1.5	55	30	5.0	1.5	1.3	120
SFR155	600	1.5	55	30	5.0	1.5	1.3	200
SFR156	800	1.5	55	30	5.0	1.5	1.3	350
SFR157	1000	1.5	55	30	5.0	1.5	1.3	350

## 2.0 AMPERES SOFT RECOVERY/FAST SWITCHING/DO-15 (CASE 6)

SFR201	50	2.0	60	30	5.0	2.0	1.3	120
SFR202	100	2.0	60	30	5.0	2.0	1.3	120
SFR203	200	2.0	60	30	5.0	2.0	1.3	120
SFR204	400	2.0	60	30	5.0	2.0	1.3	120
SFR205	600	2.0	60	30	5.0	2.0	1.3	200
SFR206	800	2.0	60	30	5.0	2.0	1.3	350
SFR207	1000	2.0	60	30	5.0	2.0	1.3	350

## 3.0 AMPERES-SOFT RECOVERY/FAST SWITCHING/DO-201AD (CASE 8)

SFR301	50	3.0	55	200	10	3.0	1.3	120
SFR302	100	3.0	55	200	10	3.0	1.3	120
SFR303	200	3.0	55	200	10	3.0	1.3	120
SFR304	400	3.0	55	200	10	3.0	1.3	120
SFR305	600	3.0	55	200	10	3.0	1.3	200
SFR306	800	3.0	55	200	10	3.0	1.3	350
SFR307	1000	3.0	55	200	10	3.0	1.3	350

## 6.0 AMPERES-SOFT RECOVERY/FAST SWITCHING/R-6 (CASE 9)

SFR601	50	6.0	55	300	10	6.0	1.3	120
SFR602	100	6.0	55	300	10	6.0	1.3	120
SFR603	200	6.0	55	300	10	6.0	1.3	120
SFR604	400	6.0	55	300	10	6.0	1.3	120
SFR605	600	6.0	55	300	10	6.0	1.3	200
SFR606	800	6.0	55	300	10	6.0	1.3	350
SFR607	1000	6.0	55	300	10	6.0	1.3	350