

HERMETIC SURFACE MOUNT HIGH VOLTAGE RECTIFIERS - MELFs

ULTRAFAST RECOVERY DEVICES (70ns)

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAX AVG. DC OUTPUT CURRENT		MAXIMUM REVERSE CURRENT @PIV		MAX. PEAK FORWARD VOLTAGE (PULSED)		PEAK 1 CYCLE SURGE CURRENT	MAX REVERSE RECOVERY TIME	THERM. RES. R _{JX}	PACKAGE STYLE
		Amps		μAmps		V	A				
		55°C	100°C	25°C	100°C						
SRM1150HEU	1500	.50	.250	.50	20	3.0	.50	25	70	8.0	MELF-C
SRM1200HEU	2000	.50	.250	.50	20	3.0	.50	25	70	8.0	
SRM1250HEU	2500	.25	.125	.50	20	5.0	.25	15	70	8.0	
SRM1300HEU	3000	.25	.125	.50	20	5.0	.25	15	70	8.0	
SRM1400HEU	4000	.15	.075	.50	20	7.0	.15	10	70	9.0	
SRM1500HEU	5000	.15	.075	.50	20	7.0	.15	10	70	9.0	
SRM1600HEU	6000	.10	.050	.50	20	9.0	.10	5.0	70	9.0	MELF-D
SRM3150HEU	1500	1.5	.750	1.0	25	4.0	1.5	60	70	5.0	
SRM3200HEU	2000	1.5	.750	1.0	25	4.0	1.5	60	70	5.0	
SRM3250HEU	2500	.75	.375	1.0	25	6.0	.75	40	70	5.0	
SRM3300HEU	3000	.75	.375	1.0	25	6.0	.75	40	70	5.0	
SRM3400HEU	4000	.50	.250	1.0	25	9.0	.50	25	70	5.0	
SRM3500HEU	5000	.50	.250	1.0	25	9.0	.50	25	70	5.0	MELF-E
SRM3600HEU	6000	.25	.125	1.0	25	10.5	.25	15	70	5.0	
SRM6150HEU	1500	3.0	1.50	1.0	25	4.0	3.0	60	70	4.0	
SRM6200HEU	2000	3.0	1.50	1.0	25	4.0	3.0	60	70	4.0	
SRM6250HEU	2500	1.5	.750	1.0	25	6.0	1.5	60	70	4.0	
SRM6300HEU	3000	1.5	.750	1.0	25	6.0	1.5	60	70	4.0	
SRM6400HEU	4000	1.0	.500	1.0	25	9.0	1.0	40	70	4.0	MELF-E
SRM6500HEU	5000	1.0	.500	1.0	25	9.0	1.0	40	70	4.0	
SRM6600HEU	6000	.75	.375	1.0	25	10.5	.75	25	70	4.0	

ULTRAFAST RECOVERY DEVICES (100ns)

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAX AVG. DC OUTPUT CURRENT		MAXIMUM REVERSE CURRENT @PIV		MAX. PEAK FORWARD VOLTAGE (PULSED)		PEAK 1 CYCLE SURGE CURRENT	MAX REVERSE RECOVERY TIME	THERM. RES. R _{JX}	PACKAGE STYLE
		Amps		μAmps		V	A				
		55°C	100°C	25°C	100°C						
SRM1150UFU	1500	.50	.250	.50	20	3.0	.50	25	100	8.0	MELF-C
SRM1200UFU	2000	.50	.250	.50	20	3.0	.50	25	100	8.0	
SRM1250UFU	2500	.25	.125	.50	20	5.0	.25	15	100	8.0	
SRM1300UFU	3000	.25	.125	.50	20	5.0	.25	15	100	8.0	
SRM1400UFU	4000	.15	.075	.50	20	7.0	.15	10	100	9.0	
SRM1500UFU	5000	.15	.075	.50	20	7.0	.15	10	100	9.0	
SRM1600UFU	6000	.10	.050	.50	20	9.0	.10	5.0	100	9.0	MELF-D
SRM3150UFU	1500	1.5	.750	1.0	25	4.0	1.5	60	100	5.0	
SRM3200UFU	2000	1.5	.750	1.0	25	4.0	1.5	60	100	5.0	
SRM3250UFU	2500	.75	.375	1.0	25	6.0	.75	40	100	5.0	
SRM3300UFU	3000	.75	.375	1.0	25	6.0	.75	40	100	5.0	
SRM3400UFU	4000	.50	.250	1.0	25	9.0	.50	25	100	5.0	
SRM3500UFU	5000	.50	.250	1.0	25	9.0	.50	25	100	5.0	MELF-E
SRM3600UFU	6000	.25	.125	1.0	25	10.5	.25	15	100	5.0	
SRM6150UFU	1500	3.0	1.50	1.0	25	4.0	3.0	60	100	4.0	
SRM6200UFU	2000	3.0	1.50	1.0	25	4.0	3.0	60	100	4.0	
SRM6250UFU	2500	1.5	.750	1.0	25	6.0	1.5	60	100	4.0	
SRM6300UFU	3000	1.5	.750	1.0	25	6.0	1.5	60	100	4.0	
SRM6400UFU	4000	1.0	.500	1.0	25	9.0	1.0	40	100	4.0	MELF-E
SRM6500UFU	5000	1.0	.500	1.0	25	9.0	1.0	40	100	4.0	
SRM6600UFU	6000	.75	.375	1.0	25	10.5	.75	25	100	4.0	

HERMETIC SURFACE MOUNT HIGH VOLTAGE RECTIFIERS - MELFs (Continued)

FAST RECOVERY DEVICES (200ns)

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAX AVG. DC OUTPUT CURRENT		MAXIMUM REVERSE CURRENT @PIV		MAX. PEAK FORWARD VOLTAGE (PULSED)		PEAK 1 CYCLE SURGE CURRENT	MAX REVERSE RECOVERY TIME	THERM. RES. R _{JUX}	PACKAGE STYLE
		Amps		μAmps		V	A				
		Volts	55°C	100°C	25°C						
SRM1150FSU	1500	.50	.250	.50	20	3.0	.50	25	200	8.0	MELF-C
SRM1200FSU	2000	.50	.250	.50	20	3.0	.50	25	200	8.0	
SRM1250FSU	2500	.25	.125	.50	20	5.0	.25	15	200	8.0	
SRM1300FSU	3000	.25	.125	.50	20	5.0	.25	15	200	8.0	
SRM1400FSU	4000	.15	.075	.50	20	7.0	.15	10	200	9.0	
SRM1500FSU	5000	.15	.075	.50	20	7.0	.15	10	200	9.0	
SRM1600FSU	6000	.10	.050	.50	20	9.0	.10	5.0	200	9.0	MELF-D
SRM3150FSU	1500	1.5	.750	1.0	25	4.0	1.5	60	200	5.0	
SRM3200FSU	2000	1.5	.750	1.0	25	4.0	1.5	60	200	5.0	
SRM3250FSU	2500	.75	.375	1.0	25	6.0	.75	40	200	5.0	
SRM3300FSU	3000	.75	.375	1.0	25	6.0	.75	40	200	5.0	
SRM3400FSU	4000	.50	.250	1.0	25	9.0	.50	25	200	5.0	
SRM3500FSU	5000	.50	.250	1.0	25	9.0	.50	25	200	5.0	MELF-E
SRM3600FSU	6000	.25	.125	1.0	25	10.5	.25	15	200	5.0	
SRM6150FSU	1500	3.0	1.50	1.0	25	4.0	3.0	60	200	4.0	
SRM6200FSU	2000	3.0	1.50	1.0	25	4.0	3.0	60	200	4.0	
SRM6250FSU	2500	1.5	.750	1.0	25	6.0	1.5	60	200	4.0	
SRM6300FSU	3000	1.5	.750	1.0	25	6.0	1.5	60	200	4.0	
SRM6400FSU	4000	1.0	.500	1.0	25	9.0	1.0	40	200	4.0	
SRM6500FSU	5000	1.0	.500	1.0	25	9.0	1.0	40	200	4.0	
SRM6600FSU	6000	.75	.375	1.0	25	10.5	.75	25	200	4.0	

GENERAL PURPOSE DEVICES (3000ns)

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAX AVG. DC OUTPUT CURRENT		MAXIMUM REVERSE CURRENT @PIV		MAX. PEAK FORWARD VOLTAGE (PULSED)		PEAK 1 CYCLE SURGE CURRENT	MAX REVERSE RECOVERY TIME	THERM. RES. R _{JUX}	PACKAGE STYLE
		Amps		μAmps		V	A				
		Volts	55°C	100°C	25°C						
SRM1150RGU	1500	.50	.250	.50	20	3.0	.50	25	3.0	8.0	MELF-C
SRM1200RGU	2000	.50	.250	.50	20	3.0	.50	25	3.0	8.0	
SRM1250RGU	2500	.25	.125	.50	20	5.0	.25	15	3.0	8.0	
SRM1300RGU	3000	.25	.125	.50	20	5.0	.25	15	3.0	8.0	
SRM1400RGU	4000	.15	.075	.50	20	7.0	.15	10	3.0	9.0	
SRM1500RGU	5000	.15	.075	.50	20	7.0	.15	10	3.0	9.0	
SRM1600RGU	6000	.10	.050	.50	20	8.0	.10	5.0	3.0	9.0	MELF-D
SRM3150RGU	1500	1.5	.750	1.0	25	4.0	1.5	60	3.0	5.0	
SRM3200RGU	2000	1.5	.750	1.0	25	4.0	1.5	60	3.0	5.0	
SRM3250RGU	2500	.75	.375	1.0	25	6.0	.75	40	3.0	5.0	
SRM3300RGU	3000	.75	.375	1.0	25	6.0	.75	40	3.0	5.0	
SRM3400RGU	4000	.50	.250	1.0	25	9.0	.50	25	3.0	5.0	
SRM3500RGU	5000	.50	.250	1.0	25	9.0	.50	25	3.0	5.0	MELF-E
SRM3600RGU	6000	.25	.125	1.0	25	10.5	.25	15	3.0	5.0	
SRM6150RGU	1500	3.0	1.50	1.0	25	4.0	3.0	60	3.0	4.0	
SRM6200RGU	2000	3.0	1.50	1.0	25	4.0	3.0	60	3.0	4.0	
SRM6250RGU	2500	1.5	.750	1.0	25	6.0	1.5	60	3.0	4.0	
SRM6300RGU	3000	1.5	.750	1.0	25	6.0	1.5	60	3.0	4.0	
SRM6400RGU	4000	1.0	.500	1.0	25	9.0	1.0	40	3.0	4.0	
SRM6500RGU	5000	1.0	.500	1.0	25	9.0	1.0	40	3.0	4.0	
SRM6600RGU	6000	.75	.375	1.0	25	10.5	.75	25	3.0	4.0	