




HERMETIC SURFACE MOUNT RECTIFIERS - MELF

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAX AVG DC OUTPUT CURRENT ^①		MAXIMUM REVERSE CURRENT ^② @ PIV		MAX PEAK FORWARD VOLTAGE (PULSED)		PEAK 1 CYCLE SURGE CURRENT	MAXIMUM REVERSE RECOVERY TIME ^③	THERM RESIS. R _{θJC} ^④	PACKAGE STYLE
		Amps		μAmps		V	A				
		55°C	100°C	25°C	100°C	V	A				
1N5615UL **	200	1.0	.75	0.5	25	1.6	3.0	25	150	7	 MELF-1
1N5617UL **	400	1.0	.75	0.5	25	1.6	3.0	25	150	7	
1N5619UL **	600	1.0	.75	0.5	25	1.6	3.0	25	250	7	
1N5621UL **	800	1.0	.75	0.5	25	1.6	3.0	25	300	7	
1N5623UL **	1000	1.0	.75	0.5	25	1.6	3.0	25	500	7	
1N5415US **	50	3.0	2.0	1.0	20	1.5	9.0	80	150	10	 MELF-B
1N5416US **	100	3.0	2.0	1.0	20	1.5	9.0	80	150	10	
1N5417US **	200	3.0	2.0	1.0	20	1.5	9.0	80	150	10	
1N5418US **	400	3.0	2.0	1.0	20	1.5	9.0	80	150	10	
1N5419US **	500	3.0	2.0	1.0	20	1.5	9.0	80	250	10	
1N5420US **	600	3.0	2.0	1.0	20	1.5	9.0	80	400	10	
SSM620FR	200	6.0	4.0	10	1000	1.3	6.0	125	150	8	 MELF-E
SSM640FR	400	6.0	4.0	10	1000	1.3	6.0	125	150	8	
SSM650FR	500	6.0	4.0	10	1000	1.3	6.0	125	150	8	
SSM660FR	600	6.0	4.0	10	1000	1.3	6.0	125	150	8	
SSM680FR	800	6.0	4.0	10	1500	1.6	6.0	125	250	8	
SSM690FR	900	6.0	4.0	10	1500	1.6	6.0	125	250	8	
SSM6100FR	1000	6.0	4.0	10	2000	1.6	6.0	125	250	8	

* available at JAN/JANTX levels

** available at JAN/JANTX/JANTXV levels

Notes:

- All ratings are at T_A = 25°C unless otherwise specified.
- Maximum operating and storage temperature range -65°C to +175°C

① T_{EC} = Endcap temperature. Endcaps have to be heat sunk sufficiently to remove dissipated power in order to achieve this rated current

② I_{rr} conditions; I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A

③ Maximum thermal resistance, junction to endcaps