HERMETIC SURFACE MOUNT RECTIFIERS - MELFs

GE

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAX. AVG. DC OUTPUT CURRENT		MAXIMUM REVERSE CURRENT @ PIV		MAX. PEAK FORWARD VOLTAGE (PULSED)		PEAK 1 CYCLE SURGE CURRENT	MAXIMUM REVERSE RECOVERY TIME ②	THERM. RESIS. $R_{\theta JEC}$ ③	PACKAGE STYLE
		Amps		μAmps							
	Volts	55°C	100°C ①	25°C	100°C	V	A	Amps	nsec	°C/W	
1N5614UL **	200	1.0	.75	0.5	25	1.3	3.0	30	2000	7	
1N5616UL **	400	1.0	.75	0.5	25	1.3	3.0	30	2000	7	
1N5618UL **	600	1.0	.75	0.5	25	1.3	3.0	30	2000	7	
1N5620UL **	800	1.0	.75	0.5	25	1.3	3.0	30	2000	7	MELF-1
1N5622UL **	1000	1.0	.75	0.5	25	1.3	3.0	30	2000	7	
1N5550US **	200	3.0	2.0 ①	1.0	75	1.2	9.0	100	2000	11	
1N5551US **	400	3.0	2.0	1.0	75	1.2	9.0	100	2000	11	
1N5552US **	600	3.0	2.0	1.0	75	1.2	9.0	100	2000	11	
1N5553US **	800	3.0	2.0	1.0	75	1.3	9.0	100	2000	11	MELF-B
1N5554US **	1000	3.0	2.0	1.0	75	1.3	9.0	100	2000	11	
SSM620RG	200	6.0	4.0 ①	5.0	500	1.4	39	150	2500	8	
SSM640RG	400	6.0	4.0	5.0	500	1.4	39	150	2500	8	
SSM660RG	600	6.0	4.0	5.0	500	1.4	39	150	2500	8	
SSM680RG	800	6.0	4.0	5.0	500	1.7	39	150	2500	8	MELF-E
SSM6100RG	1000	6.0	4.0	5.0	500	1.7	39	150	2500	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 t_{rr} conditions; I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A

③ Maximum thermal resistance, junction to endcaps