

1N282-1N352

TYPE	MATERIAL	REPLACEMENT	PAGE NUMBER	IDENTIFICATION	RECTIFIERS					ZENER DIODES				
					V_R (volts)	V_F (volts)	I_O (Amps)	I_R (mA)	I_{surge} (Amps)	V_Z (min)	V_Z (nom) * V_Z (max)	Tol V_Z %	P_D	
					SIGNAL DIODES					REFERENCE DIODES				
					PRV (volts)	V_F @ (volts)	I_F	I_R	t_{rr} (μ s)	TC %/°C	V_Z	T (min) °C	T (max) °C	
1N282	G			GP		1.0	40M	20M						
1N283	G			HC	20	1.0	200M	20*						
1N285														
1N286	S	UHF Mixer; NF = 12.5 dB												
1N286A	S	Microwave X-K band Mixer; NF = 11.3 dB												
1N287	S	Microwave X-K band Mixer; NF = 11.3 dB												
1N288	G			HC	60	1.0	20M	1.5M						
1N289	G			HC	85	1.0	40M	350*						
1N290	G			HC	85	1.0	20M	50*						
1N291	G			GP	120	1.0	5.0M	100*						
1N292	G			HC	120	1.0	40M	100*						
1N294	G			HC	75	1.0	100M	200*						
1N294A	G			GP	60	1.0	5.0M	10*						
1N295	G			GP	40			200*						
1N295A	G			GP	40			200*						
1N296	G			SP	40			200M						
1N297	G			GP	80	1.0	3.5M	10*						
1N297A	G			GP	80	1.0	3.5M	10*						
1N298	G			GP	70	2.0	30M							
1N298A	G			GP	30	2.0	30M	250*						
1N299	G			SP		0.5	3.0M	200M						
1N300	S			GP	15	1.0	15M	0.001*						
1N300A	S			GP	15	1.0	30M	0.001*						
1N300B	S			HC	15	1.0	50M	0.001*						
1N301	S			GP	70	1.0	5.0M	0.05*						
1N301A	S			GP	70	1.0	18M	0.05*						
1N301B	S			HC	70	1.0	50M	0.01*						
1N302	S			GP	225	1.0	1.0M	0.2*						
1N302A	S			GP	225	1.0	5.0M	0.2*						
1N303	S			GP	125	1.0	3.0M	0.1*						
1N303A	S			GP	125	1.0	12M	0.1*						
1N303B	S			HC	125	1.0	50M	0.1*						
1N304	S			GP	55	1.5	2.0M	2.0*						
1N305	G			HC	60	0.8	100M	20*						
1N306	G			HC	15	0.8	100M	2.0*						
1N307	G			HC	125	1.0	100M	5.0*						
1N308	G			HC	8.0	1.0	300M	500*						
1N309	G			HC	40	1.0	100M	100*						
1N310	S			HC	125	1.0	40M	20*						
1N311	G	Microwave Mixer - to				12,000 MHz; NF = 10.5 dB								
1N312	G			HC	60	1.0	70M	50*						
1N313	G			HC	125	1.0	40M	10*						
1N314	G			SP				0.05M						
1N315	G			R	300	0.48	0.075	0.3	25					
1N315A	G			R	200	0.48	0.1	0.16	25					
1N316	S	1N4001	3-24	R	50	2.0	0.2		2.0					
1N317	S	1N4002	3-24	R	100	2.0	0.2		2.0					
1N318	S	1N4003	3-24	R	200	2.0	0.2		2.0					
1N319	S	1N4004	3-24	R	350	2.0	0.2		2.0					
1N320	S	1N4005	3-24	R	500	2.0	0.2		2.0					
1N321	S	1N4007	3-24	R	850	1.2	0.25	1.0	10					
1N322	S			R	850	1.2	0.25	1.0	10					
1N323	S			R	50	2.0	0.4		2.0					
1N324	S			R	100	2.0	0.4		2.0					
1N325	S			R	200	2.0	0.4		2.0					
1N326	S			R	350	2.0	0.4		2.0					
1N327	S			R	500	2.0	0.4		2.0					
1N328	S			R	850	1.2	0.4	0.06	10					
1N329	S			R	1000	1.2	0.4	0.06	10					
1N330	S			GP	32	1.0	3.0M	0.03*						
1N331	S			GP	16	1.0	5.0M	0.01*						
1N332	S	1N4004	3-24	R	400	2.0	0.4	0.2	10					
1N333	S	1N4004	3-24	R	400	2.0	0.2	0.2	5.0					
1N334	S	1N4004	3-24	R	300	2.0	0.4	0.2	10					
1N335	S	1N4004	3-24	R	300	2.0	0.2	0.2	5.0					
1N336	S	1N4003	3-24	R	200	2.0	0.4	0.1	10					
1N337	S	1N4003	3-24	R	200	2.0	0.2	0.1	5.0					
1N338	S	1N4002	3-24	R	100	2.0	1.0	0.2	20					
1N339	S	1N4002	3-24	R	100	2.0	0.4	0.1	10					
1N340	S	1N4002	3-24	R	100	2.0	0.2	0.1	5.0					
1N341	S	1N4004	3-24	R	400	2.0	0.4	0.5	10					
1N342	S	1N4004	3-24	R	400	2.0	0.2	0.5	5.0					
1N343	S	1N4004	3-24	R	300	2.0	0.4	0.5	10					
1N344	S	1N4004	3-24	R	300	2.0	0.2	0.5	5.0					
1N345	S	1N4003	3-24	R	200	2.0	0.4	0.5	10					
1N346	S	1N4003	3-24	R	200	2.0	0.2	0.5	5.0					
1N347	S	1N4002	3-24	R	100	2.0	1.0	0.5	20					
1N348	S	1N4002	3-24	R	100	2.0	0.4	0.5	10					
1N349	S	1N4002	3-24	R	100	2.0	0.2	0.5	5.0					
1N350	S			HC	70	1.0	20M	0.03*						
1N351	S			HC	120	1.0	20M	0.03*						
1N352	S			HC	170	1.0	20M	0.05*						

R—Rectifier, RD—Reference Diode, ZD—Zener Diode, GP—General Purpose, HC—High Conductance (≥ 20 mA @ ≤ 1 V), HS—High Speed Switch (Max $t_{rr} < 0.3$ μ s), CS—High Conductance, High Speed Switch, MS—Medium Speed Switch, PA—Parametric Amplifier, SP—Special Purpose.

MR1120 thru MR1126, MR1128, MR1130 (continued)

RECTIFIER SUBSTITUTION GUIDE

Due to its optimized design, this 12-ampere rectifier series (types MR1120 - MR1130) provides a high performance, economical solution to your specification and procurement requirements. Only nine types, covering the complete voltage range from 50 to 1000 volts, can substitute for a multitude of devices as typified in the table below. This table is only a guide and general reference to the EIA registered types which can be replaced; minor specification variations may exist.

MR1120 50V	MR1121 100V	MR1122 200V	MR1123 300V	MR1124 400V	MR1125 500V	MR1126 600V	MR1128 800V	MR1130 1000V
1N607	1N253	1N254	1N334	1N255	1N554	1N256	1N562	1N563
1N607A	1N338	1N336	1N335	1N332	1N613	1N555	1N3649	1N3650
1N1199	1N339	1N337	1N343	1N333	1N613A	1N614	1N3670	1N3672
1N1199A	1N340	1N345	1N344	1N341	1N1119	1N614A	1N3670A	1N3672A
1N1341	1N348	1N346	1N552	1N342	1N1127	1N1120	1N3671	1N3673
1N1341A	1N349	1N551	1N611	1N553	1N1127A	1N1128	1N3671A	1N3673A
1N1537	1N550	1N609	1N611A	1N612	1N1205	1N1128A	1N3987	1N3989
1N1612	1N608	1N609A	1N1117	1N612A	1N1205A	1N1206	1N3988	1N3990
	1N608A	1N610	1N1125	1N1118	1N1347	1N1206A		
	1N1115	1N610A	1N1125A	1N1126	1N1347A	1N1348		
	1N1200	1N1116	1N1203	1N1126A	1N1543	1N1348A		
	1N1200A	1N1124	1N1203A	1N1204	1N3573	1N1544		
	1N1342	1N1124A	1N1345A	1N1204A		1N1616		
	1N1342A	1N1201	1N1541	1N1346		1N3574		
	1N1538	1N1201A	1N3571	1N1346A				
	1N1613	1N1202		1N1542				
	1N3569	1N1202A		1N1615				
		1N1343		1N3572				
		1N1343A						
		1N1344						
		1N1344A						
		1N1539						
		1N1540						
		1N1614						
		1N3570						

NOTE: While the MR1120 through MR1130 are preferred device types, the above listed EIA types are also available upon request.