



ALLIED ELEK & SEMICOND L2E D

OPERATING AND STORAGE TEMPERATURE -65°C ~ +175°C

T-01-01

TYPE	PIV (Peak Inverse Voltage)	MAX AVG Rectify Current @ Half Wave Res Load 60 Hz			MAX FWD Peak Surge Current 1 ~ 60 Hz Superimposed	MAX Reverse Current @ PIV Voltage @ 25°C T _A	MAX Forward Voltage @ 25°C T _A			
		I _O	@	T _A			I _{FM} (Surge)	I _R	I _{FM}	V _{FM}
									A _{AV}	°C
BYW27-50	50	1.0		70	50	0.20	1.0	1.0		
BYW27-100	100	1.0		70	50	0.20	1.0	1.0		
BYW27-200	200	1.0		70	50	0.20	1.0	1.0		
BYW27-400	400	1.0		70	50	0.20	1.0	1.0		
BYW27-600	600	1.0		70	50	0.20	1.0	1.0		
BYW27-800	800	1.0		70	50	0.20	1.0	1.0		
BYW27-1000	1000	1.0		70	50	0.20	1.0	1.0		
BY133	1300	1.0		75	50	5.00	1.0	1.1		
EM513	1000	1.0		75	50	5.00	1.0	1.1		
BY127M	1250	1.0		75	50	5.00	1.0	1.1		

3-5. Amperes - Plastic Rectifiers/D0-201AD Package

OPERATING AND STORAGE TEMPERATURE -65°C ~ +175°C

TYPE	PIV (Peak Inverse Voltage)	MAX AVG Rectify Current @ Half Wave Res Load 60 Hz			MAX FWD Peak Surge Current 1 ~ 60 Hz Superimposed	MAX Reverse Current @ PIV Voltage @ 25°C T _A	MAX Forward Voltage @ 25°C T _A			
		I _O	@	T _A			I _{FM} (Surge)	I _R	I _{FM}	V _{FM}
									A _{AV}	°C
BY251	200	3.0		50	100	20	3.0	1.1		
BY252	400	3.0		50	100	20	3.0	1.1		
BY253	600	3.0		50	100	20	3.0	1.1		
BY254	800	3.0		50	100	20	3.0	1.1		
BY255	1300	3.0		50	100	20	3.0	1.1		
BY550-50	50	5.0		60	300	20	5.0	1.1		
BY550-100	100	5.0		60	300	20	5.0	1.1		
BY550-200	200	5.0		60	300	20	5.0	1.1		
BY550-400	400	5.0		60	300	20	5.0	1.1		
BY550-600	600	5.0		60	300	20	5.0	1.1		
BY550-800	800	5.0		60	300	20	5.0	1.1		
BY227	1200	5.0		60	300	200	5.0	1.5		
BY228	1500	1.75		60	300	10	5.0	1.5		

1 Ampere - Recovery Silicon Rectifier/D0-41 Package

OPERATING AND STORAGE TEMPERATURE -65°C ~ +175°C

TYPE	PIV (Peak Inverse Voltage)	MAX AVG Rectify Current @ Half Wave Res Load 60 Hz			MAX FWD Peak Surge Current 1 ~ 60 Hz Superimposed	MAX Reverse Current @ PIV Voltage @ 25°C T _A	MAX Forward Voltage @ 25°C T _A		MAX Reverse Recovery Time		
		I _O	@	T _A			I _{FM} (Surge)	I _R		I _{FM}	V _{FM}
										A _{AV}	°C
BA157	400	1.0		45	35	5.0	1.0	1.3	300		
BA158	600	1.0		45	35	5.0	1.0	1.3	300		
BA159	1000	1.0		45	35	5.0	1.0	1.3	500		
IP643	50	1.0		45	35	5.0	1.0	1.3	500		
IP644	100	1.0		45	35	5.0	1.0	1.3	500		
IP645	225	1.0		45	35	5.0	1.0	1.3	500		
IP646	300	1.0		45	35	5.0	1.0	1.3	500		
IP647	400	1.0		45	35	5.0	1.0	1.3	500		
IP648	500	1.0		45	35	5.0	1.0	1.3	500		

3-5. Ampere - Recovery Silicon Rectifier/D0-201AD Package

OPERATING AND STORAGE TEMPERATURE -65°C ~ +175°C

TYPE	PIV (Peak Inverse Voltage)	MAX AVG Rectify Current @ Half Wave Res Load 60 Hz			MAX FWD Peak Surge Current 1 ~ 60 Hz Superimposed	MAX Reverse Current @ PIV Voltage @ 25°C T _A	MAX Forward Voltage @ 25°C T _A		MAX Reverse Recovery Time		
		I _O	@	T _A			I _{FM} (Surge)	I _R		I _{FM}	V _{FM}
										A _{AV}	°C
BY296	100	2.0		50	70	10	3.0	1.3	500		
BY297	200	2.0		50	70	10	3.0	1.3	500		
BY298	400	2.0		50	70	10	3.0	1.3	500		
BY299	800	2.0		50	70	10	3.0	1.3	500		
BY396	100	3.0		50	100	10	3.0	1.3	500		
BY397	200	3.0		50	100	10	3.0	1.3	500		
BY398	400	3.0		50	100	10	3.0	1.3	500		
BY399	800	3.0		50	100	10	3.0	1.3	500		
MR850	50	3.0		90	100	10	3.0	1.25	200		
MR851	100	3.0		90	100	10	3.0	1.25	200		
MR852	200	3.0		90	100	10	3.0	1.25	200		
MR854	400	3.0		90	100	10	3.0	1.25	200		
MR855	600	3.0		90	100	10	3.0	1.25	200		
BY500-50	50	5.0		90	100	10	5.0	1.5	200		
BY500-100	100	5.0		90	100	10	5.0	1.5	200		
BY500-200	200	5.0		90	100	10	5.0	1.5	200		
BY500-400	400	5.0		90	100	10	5.0	1.5	200		
BY500-600	600	5.0		90	100	10	5.0	1.5	200		
BY500-800	800	5.0		90	100	10	5.0	1.5	200		