

Industrial Rectifiers

Note: Standard polarity is cathode to case.
* Indicates polarity is anode to case.



Peak Reverse Voltage (PRV Volts)	I _o Average Rectified Forward Current (Amps)										
	3 A		6 A		6 A/22 A		12 A		15 A	16 A	20 A
50	ECG5800	ECG5830	ECG5850		ECG5870		ECG5940	ECG5892	ECG5912		
50		ECG5831*	ECG5851*		ECG5871*		ECG5941*	ECG5893*	ECG5913*		
100	ECG5801			ECG5812							
200	ECG5802	ECG5834	ECG5854		ECG5874		ECG5944	ECG5896	ECG5916		
200		ECG5835*	ECG5855*		ECG5875*		ECG5945*	ECG5897*	ECG5917*		
400	ECG5804	ECG5838	ECG5858	ECG5814	ECG5878		ECG5948	ECG5900	ECG5920	ECG5962	
400		ECG5839*	ECG5859*		ECG5879*		ECG5949*	ECG5901*	ECG5921*	ECG5963*	
600	ECG5806	ECG5842	ECG5862	ECG5815	ECG5882	ECG6013	ECG5952	ECG5904	ECG5924		
600		ECG5843*	ECG5863*		ECG5883*		ECG5953*	ECG5905*	ECG5925*		
800	ECG5808	ECG5846	ECG5866		ECG5886			ECG5908	ECG5928	ECG5966	
800		ECG5847*	ECG5867*		ECG5887*			ECG5909*	ECG5929*	ECG5967*	
1000	ECG5809	ECG5848	ECG5868	ECG5817	ECG5890			ECG5910	ECG5932		
1000		ECG5849*	ECG5869*		ECG5891*			ECG5911*	ECG5933*		
IFM Surge	150 A	40 A	150 A	400 A	250 A	300 A	250 A	300 A	400 A	300 A	
T _c at Rated I _o (°C) Max	+105 (TL)	+150	+150	See # Note	+150	+80	+150	+150	+150	+150	+100
V _F at Rated I _o	.9 V Typ 1.0 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max	.8 V Typ .9 V Max	.9 V Typ 1.1 V Max	1.0 V Typ 1.6 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max	.9 V Typ 1.1 V Max
Fig. No.	Z18A	Z19		Z26	Z19	Z41B	Z20	Z19		Z27	
Package	Axial	DO-4		Axial	DO-4	TO-220	DO-5	DO-4		Press Fit	

I_o = 6 A with PC Board Mtg., T_A = 60°C, I_o = 22 A, 1/8" Leads, T_L = 60°C

Fast Recovery

Peak Reverse Voltage (PRV Volts)	Reverse Recovery Time, T _{rr} = 200 ns Max	
	I _o (Amps)	
	12 A	40 A
200	ECG5818	ECG6006
200	ECG5819*	ECG6007*
400	ECG5820	ECG6008
400	ECG5821*	ECG6009*
600	ECG5822	ECG6010
600	ECG5823*	ECG6011*
IFM Surge	200 A	350 A
T _c at Rated I _o (°C) Max	+100	+100
V _F at Rated I _o	.9 V Typ 1.1 V Max	1.0 V Typ 1.4 V Max
Fig. No.	Z19	Z20
Package	DO-4	DO-5

Ultra Fast Recovery

Peak Reverse Voltage (PRV Volts)	I _o Average Rectified Forward Current (Amps)		
	8 A		15 A
200	ECG597		ECG599
400			
600			ECG598
IFM Surge (Per Diode)	100 A	100 A	200 A
T _c @ Rated I _o Max (°C)	+125	+125	+150
Forward Voltage Drop @ Rated I _o , V _F (Volts) (Per Diode)	1.3	1.5	1.0
Reverse Recovery Time (ns)	35	60	35
Fig. No.	Z41A		
Package	TO-220 (2-Pin)		