


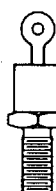
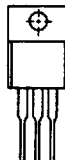
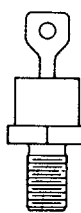




# Industrial Rectifiers

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

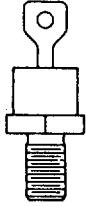

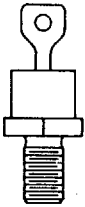
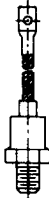








Peak Reverse Voltage (PRV Volts)	I <sub>o</sub> Average Rectified Forward Current (Amps)									
	3 A	6 A	6 A/22 A	12 A	15 A	16 A	20 A	25 A		
50	ECG5800	ECG5830	ECG5850		ECG5870		ECG5940	ECG5892	ECG5912	
50		ECG5831*	ECG5851*		ECG5871*		ECG5941*	ECG5893*	ECG5913*	
100	ECG5801			ECG5812						
200	ECG5802	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 <sub>c</sub> at Rated I <sub>o</sub> (°C) Max	+105 (TL)	+150	+150	See # Note	+150	+80	+150	+150	+150	+100
VF at Rated I <sub>o</sub>	.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
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<sub>o</sub> = 6 A with PC Board Mtg., T<sub>A</sub> = 60°C, I<sub>o</sub> = 22 A, 1/8" Leads, T<sub>L</sub> = 60°C

# Industrial Rectifiers (cont'd)

Note: Standard polarity is cathode to case.  
\* indicates polarity is anode to case.

Peak Reverse Voltage (PRV Volts)	I <sub>o</sub> Average Rectified Forward Current (Amps)								
	40 A	50 A	60 A	70 A	85 A	150 A	300 A	450 A	550 A
50	ECG5980		ECG6020	ECG6048					
50	ECG5981*		ECG6021*	ECG6049*					
100	ECG5982		ECG6022	ECG6050					
100	ECG5983*		ECG6023*	ECG6051*					
200	ECG5986		ECG6026	ECG6054	ECG6074				
200	ECG5987*		ECG6027*	ECG6055	ECG6075*				
300	ECG5988								
300	ECG5989*								
400	ECG5990	<del>ECG5986</del>	ECG6034	ECG6060		ECG6154	ECG6354		
400	ECG5991*	ECG5827*	ECG6035*	ECG6061*		ECG6155*	ECG6355*		
500	ECG5992								
500	ECG5993*								
600	ECG5994		ECG6040	ECG6064	ECG6076	ECG6156	ECG6356		ECG6102
600	ECG5995*		ECG6041*	ECG6065*	ECG6077*	ECG6157*	ECG6357*		ECG6103*
800	ECG5998	ECG5828	ECG6042	ECG6068					
800	ECG5999*		ECG6043*	ECG6069*					
1000	ECG6002		ECG6044	ECG6072		ECG6158	ECG6358		
1000	ECG6003*		ECG6045*	ECG6073*		ECG6159*	ECG6359*		
1200					ECG6078				ECG6104
1200					ECG6079*				ECG6105*
1400						ECG6162	ECG6362		
1400						ECG6163*	ECG6363*		
1600	ECG6004				ECG6070	ECG6164	ECG6364	ECG6106	ECG6108
1600	ECG6005*				ECG6071*	ECG6165*	ECG6365*	ECG6107*	ECG6109*
IFM Surge	500 A	600 A	700 A	1200 A	1500 A	2100 A	5000 A	8500 A	10,000 A
T <sub>c</sub> at Rated I <sub>o</sub> (°C) Max	+ 140	+ 150	+ 125	+ 125	+ 120	+ 125	+ 120	+ 120	+ 125
VF at Rated I <sub>o</sub>	1.0 V Typ 1.3 V Max	.9 V Typ 1.0 V Max	1.0 V Typ 1.2 V Max	1.0 V Typ 1.2 V Max	1.0 V Typ 1.6 V Max	1.0 V Typ 1.6 V Max	1.0 V Typ 1.45 V Max	1.1 V Typ 1.45 V Max	1.0 V Typ 1.4 V Max
Fig. No.	Z20	Z28	Z20			Z29	Z30	Z31	
Package	DO-5 	Press Fit 	DO-5 			DO-8 	DO-9 	SR-75 	

Peak Reverse Voltage (PRV Volts)	I <sub>o</sub> Average Rectified Forward Current (Amps)			
	500 A	1100 A	1200 A	2200 A
600	ECG6110	ECG6111	ECG6113	ECG6116
1200	ECG6112		ECG6115	ECG6118
1600	ECG6120	ECG6114	ECG6121	ECG6122
IFM Surge	6500 A	12,000 A	12,500 A	30,000 A
T <sub>c</sub> at Rated I <sub>o</sub> (°C) Max	+ 55	+ 80	+ 55	+ 105
VF at Rated I <sub>o</sub>	1.4 V Typ 1.85 V Max	1.4 V Max	1.2 V Typ 1.6 V Max	1.1 V Typ 1.45 V Max
Fig. No.	Z32	Z72	Z33	Z34
Package	HR-16 		HR-23 	HR-29 

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