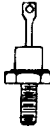
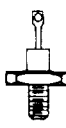


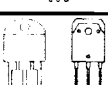
FAST RECOVERY POWER RECTIFIERS

STUD MOUNTED (200Nanosecond Reverse Recovery Time)

Peak Reverse Voltage PRV	Average Rectified Forward Current, I _O			
	12 Amps		40 Amps	
	Cathode/Case	Anode/Case	Cathode/Case	Anode/Case
200	NTE5818	NTE5819	NTE6006	NTE6007
400	NTE5820	NTE5821	NTE6008	NTE6009
600	NTE5822	NTE5823	NTE6010	NTE6011
V _F @ Rated I _O	1.4V Max/1V Typ		1.4V Max/1V Typ	
I _{FSM}	200A		350A	
T _C @ Rated I _O	100°C		100°C	
Mounting Torque in•lb (m•N)	20 (2.22)		30 (3.33)	
Pkg. Type				
Case Style/Thread Size	DO4 (10-32 NF-2A)		DO5 (1/4-28 UNF-2A)	
Diagram Number	65		64	

*Indicates that polarity is anode to case.

SCHOTTKY BARRIER RECTIFIERS

NTE Type Number	Peak Repetitive Reverse Voltage (Volts)	Average Rectified Forward Current (Amps)	Non-Repetitive Peak Surge Current (Surge Applied @ Rated Load Conditions Halfwave, Single Phase, 60Hz)	Maximum Instantaneous Forward Voltage @I _F	Maximum Capacitance @ V _R = 5.0V (P _i)	Peak Operating Junction Temperature (Forward Current Applied) (°C)	Package Style/Diag. No.
	PRV	I _F	I _{FSM} or I _{FM} (Surge)	V _F	C _T	T _J (PK)	
6084	45	35	600	0.55V @ T _C = 125°C	2000	150	DO4 Cathode/Case Diag. 65 
6084	45	60	800	0.6V @ T _C = 125°C	4000	150	DO5 Cathode/Case Diag. 64 
579	90	3	80	0.74V @ 3A	—	—	DO27 Diag. 541 
586	40	3	80	0.525V @ 1A	260	150	
583	70	0.015	0.05	0.41V @ 0.001A	2	200	DO35 Diag. 93 
584	20	0.035	0.1	0.41V @ 0.001A	1.2	200	
578	90	1	25	0.6V @ 1A	—	—	DO41 Diag. 92 
585	40	1	25	0.6V @ 1A	110*	125	
6083	45	10	150	0.57V @ T _C = 125°C	—	150	2-Lead TO220 Diag. 380 
6085	45	15	150	0.84V @ 15A	—	150	TO220 Diag. 502a 
6087	45	30	150	0.82V @ 30A	—	150	
6090	45	30	400	0.76V @ 30A	—	150	TO218/TO3P Diag. 503 Diag. 59d 

*Measured at 1MHz and applied reverse voltage of 4.0V.

See Diagrams, beginning on Page 1-71