

## UltraFast Recovery Diodes

Part Number	VRWM (V)	IF(AV) @ TC (A) (°C)	(6) IFSM @ 60Hz (A)	VFM @ IF(AV) (V)	RthJDC (°C/W)	Max. trr (nS)	Notes	Fax-on-Demand Number	Case Style, (Case Outline) (1)
10BF10	100	1 120	30	0.95	25	35	(3)	—	SMB (J2)
10BF20	200	1 120	30	0.95	25	35	(3)	—	
10BF40	400	1 75	30	1.30	30	50	(3)	—	
10BF60	600	1 75	30	1.50	30	100	(3)	—	
10BF80	800	1 75	30	1.70	30	100	(3)	—	
30BF10	100	3 120	60	0.95	12	35	(3)	—	SMC (J3)
30BF20	200	3 120	60	0.95	12	35	(3)	—	
30BF40	400	3 75	60	1.40	15	50	(3)	—	
30BF60	600	3 75	60	1.50	15	100	(3)	—	
30BF80	800	3 75	60	1.70	15	100	(3)	—	

Part Number (5)	VRWM (V)	IF(AV) @ TC per pkg. (A) (°C)		(4) VFM @ IFM (A)	IR @ VRWM (µA)	(7) Max. IRRM (A)	(7) Max. trr (nS)	RthJJC per pkg (°C/W)	Notes	Fax-on-Demand Number	Case Style, (Case Outline) (1)
		(A)	(°C)	(A)	(µA)	(A)	(nS)	(°C/W)			
<b>Discrete</b>											
HFA04TB60S	600	4	106	1.8	3	5.2	42	5	(2)	—	D <sup>2</sup> Pak** (SMD-220) (J4)
HFA08TB60S	600	8	90	1.7	5	5	55	3.5	(2)	—	
HFA15TB60S	600	15	100	1.7	10	6	60	1.7	(2)	—	
HFA25TB60S	600	25	100	1.7	20	10	75	0.83	(2)	—	
HFA08TA60CS	600	8	100	1.8	3	5.2	42	2.5	(3)	—	(K3)
HFA16TA60CS	600	16	90	1.7	5	5	55	1.75	(3)	—	
HFA30TA60CS	600	30	100	1.7	10	6	60	0.85	(3)	—	
HFA04TB60	600	4	106	1.8	3	5.2	42	5	—	—	TO-220AC (J11)
HFA08TB60	600	8	90	1.7	5	5	55	3.5	—	20341	
HFA15TB60	600	15	100	1.7	10	6	60	1.7	—	20334	
HFA25TB60	600	25	100	1.7	20	10	75	0.83	—	20339	
HFA08TA60C	600	8	100	1.8	3	5.2	42	2.5	(2)	—	TO-220AB (J9)
HFA16TA60C	600	16	90	1.7	5	5	55	1.75	(2)	20340	
HFA30TA60C	600	30	100	1.7	10	6	60	0.85	(2)	20335	
HFA08PB60	600	8	90	1.7	5	5	55	3.5	—	—	TO-247AC Modified (J12)
HFA15PB60	600	15	100	1.7	10	6	60	1.7	—	20340	
HFA25PB60	600	25	100	1.7	20	10	75	0.83	—	20338	
HFA16PA60C <sup>2</sup>	600	16	90	1.7	5	5	55	1.75	—	—	TO-247AC (J13)
HFA30PA60C	600	30	100	1.7	10	6	60	0.85	—	20336	
HFA50PA60C	600	50	100	1.7	20	10	75	0.42	—	20337	

- (1) See page 105 for Case Outline information  
 (2) See pages 117-118 for lead-form options.  
 (3) See pages 126-128 for Tape and Reel information.  
 (4) For center tap devices, the IF(AV) per leg is 1/2 that shown in the IF(AV) column.  
 (5) Unless otherwise noted, all specifications are given per leg.  
 (6) For any rated load condition and with VRWM reapplied.  
 (7) Reverse recovery characteristics @ IF=IF(AV) (per leg)  
 DI<sub>F</sub>/D<sub>t</sub>=200A/µs, VR=200V.



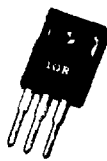
SMB



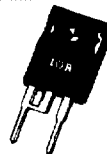
SMC



D<sup>2</sup>Pak  
(TO-263), (SMD-220)



TO-247AC



TO-247AC Modified



TO-220AB



TO-220AC

\*\* D<sup>2</sup>Pak = TO-263 = SMD-220