

Maximum Ratings (@T_A = +25°C, unless otherwise specified.)

Single phase, half wave, 60 Hz, resistive or inductive load.

Characteristic		Symbol	MBR 1635	MBR 1640	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		V _{RRM} V _{RWM} VR	35	40	V
RMS Reverse Voltage		V _{R(RMS)}	24.5	28	V
Average Rectified Output Current (Note 4) @ T _C = +125°C		IO	16		А
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load		I _{FSM}	150		А

Thermal Characteristics

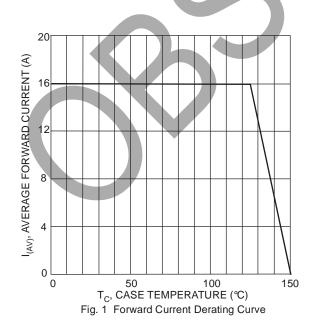
Unit
U III
°C/W
V/µs
°C
-

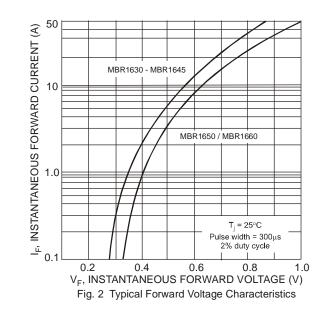
Electrical Characteristics (@T_A = +25°C, unless otherwise specified.)

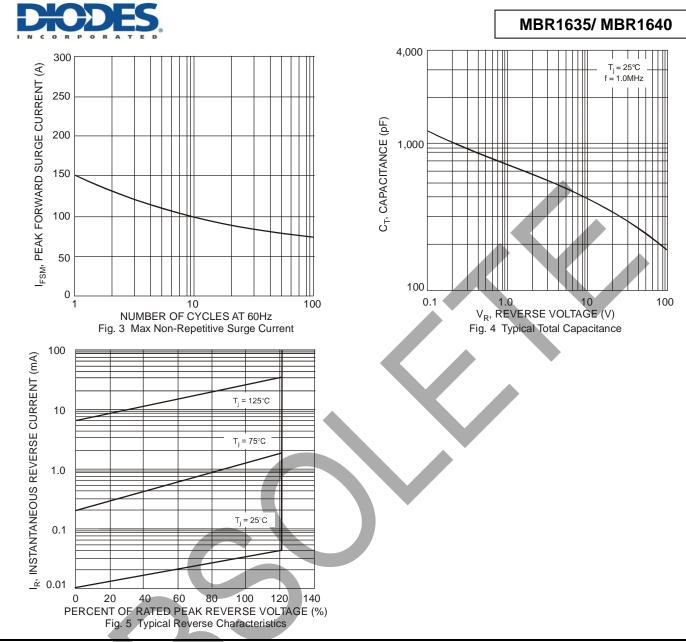
Characte	eristic	Symbol	Value	Unit
Forward Voltage Drop	@ I _F =16A, T _C = +25°C @ I _F =16A, T _C =+125°C		0.63 0.57	V
Peak Reverse Current at Rated DC Blocking Voltage	@T _C = +25°C @ T _C = +125°C	DM	0.2 40	mA
Typical Total Capacitance (Note 5)		CT	450	pF

Notes: 4. Thermal resistance junction to case mounted on heatsink.

5. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.



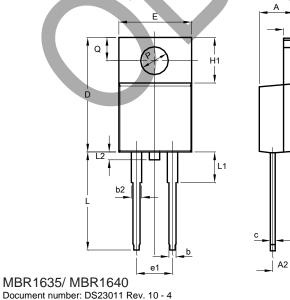




Package Outline Dimensions

OLETE - PART DISCONTINUED

Please see AP02002 at http://www.diodes.com/datasheets/ap02002.pdf for latest version.



TO220AC					
Dim	Min	Тур	Max		
Α	4.40	1	4.82		
A1	1.1	1	1.40		
A2	2.05	1	2.92		
b	0.72	1	1.00		
b2	1.16	-	1.45		
С	0.36	1	0.68		
D	14.70	-	15.87		
e1	5.08				
Е	9.80	1	10.26		
H1	5.80	1	6.40		
L	12.70	-	13.96		
L1	3.56	-	4.50		
Р	3.70	-	3.90		
Q	2.54	-	3.30		
	All Dimensions in mm				

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