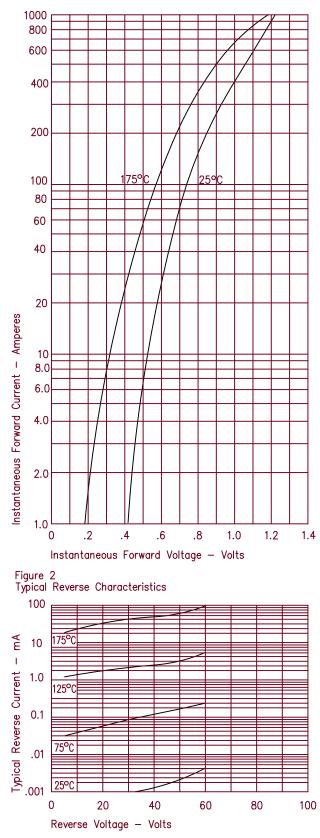
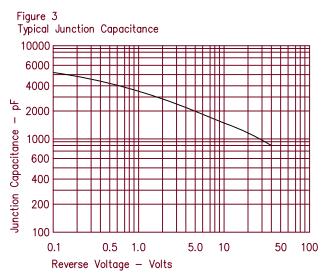
80 Amp Schottky Rectifier SBR8060

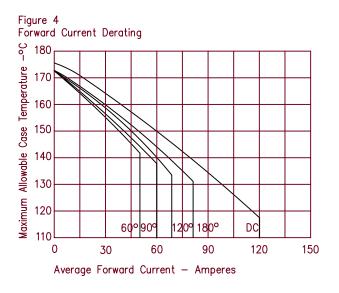
M Dim. Inches Millimeter						
			Maximum			n Notes
Notes:	A B C D E F G H J K M N P		.688 .794 1.00 .453 .200 .450 .249 .375 .510 .080 .175	17.00 19.05 10.72 2.93 5.59 3.97 3.56	17.47 20.16 25.40 11.50 5.08 11.43 6.32 9.52 12.95 2.03 4.44	1/4–28 1 Dia Dia
Microsemi Industry Working Peak Repetitive P Catalog Number Part Number Reverse Voltage Reverse Volt SBR8060* MBR7560 60V 60V MBR8060 *Add the Suffix R for Reverse Polarity	eak age	• (• \ • F • 1	Schottky b Guard ring (RRM 60 Reverse Ei 175°C jun 30 Amper	y protecti Volts nergy Tes ction tem	on sted	2
Electrical Characteristics						
Average forward currentI F(AV) 80 AmpsMaximum surge currentI FSM 1200 AmpsMax repetitive peak reverse currentI R(0V) 2 AmpMax peak forward voltageVFM .77 VoltsMax peak reverse currentI RM 30 mAMax peak reverse currentI RM 2.0 mATypical junction capacitanceC J 2000 pF		$^{T}C = 131^{\circ}$ C, square wave, $^{R}\Theta$ JC = 0.8°C/W 8.3ms, half sine, $^{T}J = 175^{\circ}$ C f = 1 KHz, 25°C, 1 µsec square wave $^{I}FM = 80A$: 25°C* $^{V}RRM, ^{T}J = 125^{\circ}$ C $^{V}RRM, TJ = 25^{\circ}$ C $^{V}R = 5.0V, TJ = 25^{\circ}$ C, f = 1MHz				
*Pulse test: Pulse width 300 usec, Duty cycle 2%						
Thermal and Mechanical Characteristics						
Storage temp range TSTG Operating junction temp range TJ Maximum thermal resistance R0JC Typical thermal resistance (greased) R0CS Mounting torque Weight		0.5°C/W 25-30 ir		sink s	pical	
LAWRENCE6 Lake Street Lawrence, MA 01841 PH: (978) 620-2600 FAX: (978) 689-0803 www.microsemi.com			05–	30-07 Re	ev. 3	

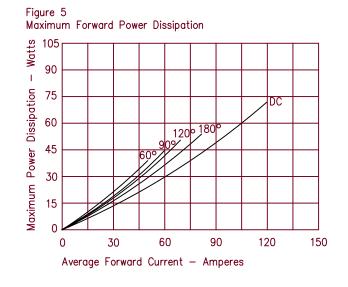
SBR8060

Figure 1 Typical Forward Characteristics









⁰⁵⁻³⁰⁻⁰⁷ Rev. 3

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