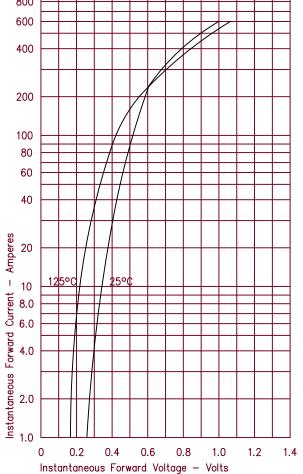
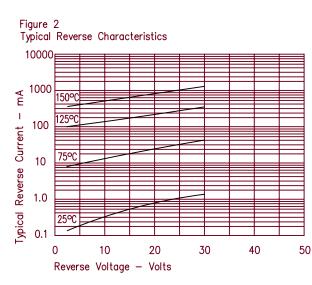
## 60 Amp Schottky Rectifier SBR6030L

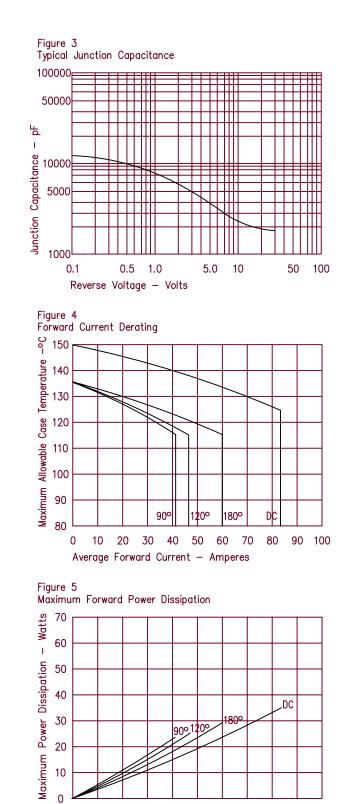
M	Dim. Inches Millimeter
	Minimum Maximum Minimum Maximum Note
Notes:	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Microsemi Catalog Industry Working Peak Peak Rever Number Part Number Reverse Voltage Voltage SBR6030L* 55HQ030 30V 30V *Add Suffix R For Reverse Polarity	
Electrical Charact	teristics
Average forward currentIF(AV) 60 AmpsMaximum surge currentIFSM 1200 AmpsMax repetitive peak reverse currentIR(OV) 2 AmpTypical peak forward voltageVFM 0.34 VoltsMax peak forward voltageVFM 0.48 VoltsMax peak reverse currentIRM 750 mAMax peak reverse currentIRM 5 mATypical junction capacitanceCJ 3750 pF*Pulse test: Pulse width 300 µ	f = 1 KHz, 25°C, 1 µsec Square wave $^{I}$ FM = 60A: 150°C * $^{I}$ FM = 60A: 25°C * VRRM, $^{T}$ J = 125°C * VRRM, $^{T}$ J = 25°C VR = 5.0V, $^{T}$ J = 25°C
Thermal and Mechanical	Characteristics
Storage temp range TSTG Operating junction temp range TJ Max thermal resistance RAJC Max thermal resistance (greased) RACS Mounting torque Weight	-65°C to 175°C -65°C to 150°C 0.7°C/W Junction to Case 0.5°C/W Case to sink 25-30 inch pounds .54 ounces (15.3 grams) typical
LAWRENCE CAWRENCE 6 Lake Street Lawrence, MA 01841 PH: (978) 620–2600 FAX: (978) 689–0803 www.microsemi.com	05-25-07 Rev. 5

## SBR6030L

Figure 1 Typical Forward Characteristics 







90 100 Average Forward Current - Amperes

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