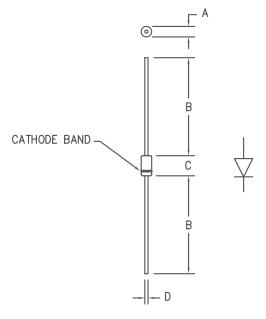
1 Amp Schottky Rectifier 1N5817,1N5818,1N5819



	Dim. Inches			Millimeter			
		Minimum	Maximum	Minimum	Maximum	Notes	
	Α	.081	.107	2.057	2.718	Dia.	
ı	В	1.10		27.94			
1	С	.160	.205	4.064	5.207		
	D	.028	.034	.711	.864	Dia.	

PLASTIC DO41

Microsemi Catalog Number	Industrial Part Number	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage
1N5817	VSK120	20V	20V
1N5818	VSK130	30V	30V
1N5819	VSK140	40V	40V

- Schottky Barrier Rectifier
- Guard Ring Protection
- Low Forward Voltage
- High Reliability
- High Current Capability

Electrical Characteristics						
Average forward current Lead Temperature Maximum surge current Max peak forward voltage Max peak forward voltage Max peak reverse current Typical junction capacitance	I F(AV) I FSM V FM V FM V FM I RM C J	1N5817 1A 128°C 50A .32V .45V .65V 1mA 105pF	1N5818 1A 125°C 50A .37V .55V .85V 1mA 50pF	1N5819 1A 123°C 50A .37V .55V .85V 1mA 50pF	R 0JL = 25° C/W, L = 1/4" 8.3ms, half sine, TJ = 150° C I FM = 0.1A: TJ = 25° C * I FM = 1.0A: TJ = 25° C * I FM = 3.0A: TJ = 25° C VRRM, TJ = 25° C VR = 5.0V, TJ = 25° C	

The	rmal and Mechanica	l Characteristics
Storage temperature range Operating junction temp range Maximum thermal resistance L Weight	TSTG TJ = 1/4" ROJL	-55°C to 150°C -55°C to 150°C 25°C/W Junction to Lead .011 ounces (0.34 grams) typical



1N5817

Figure 1 Typical Forward Characteristics

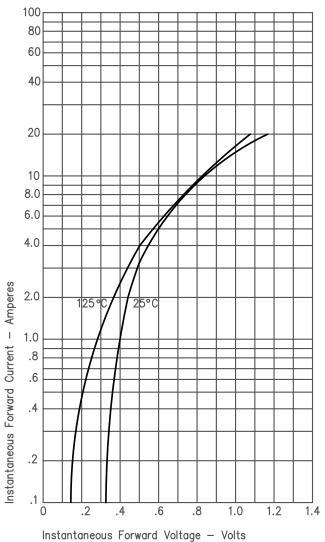
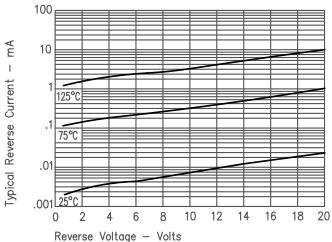
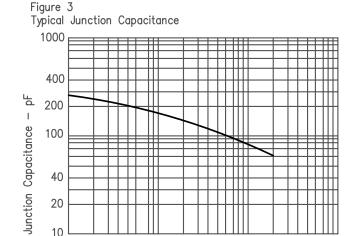


Figure 2 Typical Reverse Characteristics





Reverse Voltage - Volts

1

10

100

.2 .3

10

1N5818 & 1N5819

Figure 1 Typical Forward Characteristics

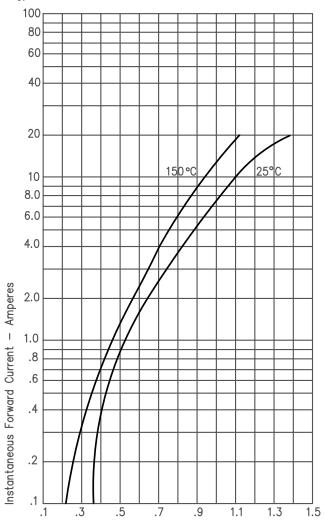
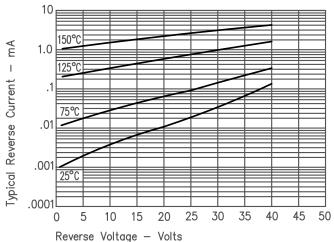
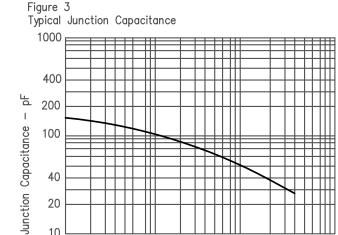


Figure 2 Typical Reverse Characteristics



Instantaneous Forward Voltage - Volts



Reverse Voltage - Volts

1

10

100

.2 .3

20

10