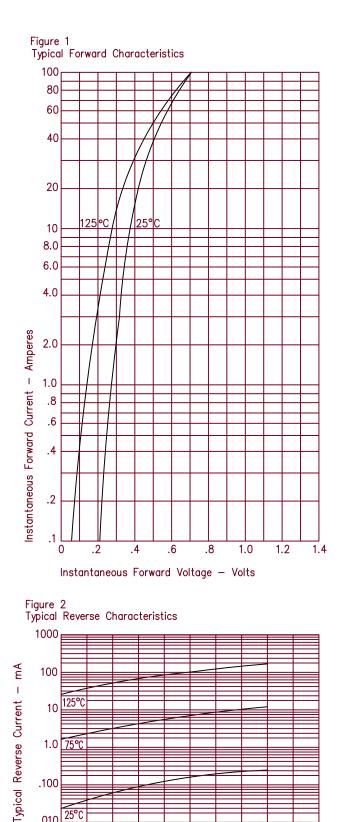
	5 1 00 0			tifior
		Schottl 1N58		1N5825
	<u> </u>		Dim. Inches Minimu A B .980 C D .046 E	Millimeter m Maximum Minimum Maximum Notes .450 11.43 Dia. 24.89
	Working Peak Reverse Voltage 20V 30V 40V	Peak I	V	<ul> <li>Schottky Barrier Rectifier</li> <li>125°C Junction temperature</li> <li>VRRM 20 to 40 Volts</li> <li>5 Amp current rating</li> <li>Very low forward voltage</li> <li>JAN, JANTX, JANTXV &amp; JANS equivalent screening available</li> </ul>
Electrical Characteristics				
Average forward current Maximum surge current Max peak forward voltage Max peak forward voltage Max peak forward voltage Max peak reverse current Max peak reverse current Typical junction capacitance	I F(AV) I FSM V FM V FM V FM I RM I RM C J	1N5823         1N5824           5.0A         5.0A           500A         500A           .330V         .340V           .360V         .370V           .470V         .490V           10mA         10mA           100mA         125mA           1470pF         1470pF	1N5825 5.0A TL 500A 8 .350V 1 .380V 1 .520V 1 10mA VF 150mA VF 1470pF VF	$E_{\rm s} = 85^{\circ}$ C, square wave, $R_{\rm 0JL} = 12^{\circ}$ C/W B.3ms, half sine, $T_{\rm J} = 125^{\circ}$ C FM = 3.0A: $T_{\rm J} = 25^{\circ}$ C* FM = 5.0A: $T_{\rm J} = 25^{\circ}$ C* FM = 15.7A: $T_{\rm J} = 25^{\circ}$ C RRM, $T_{\rm J} = 25^{\circ}$ C RRM, $T_{\rm J} = 100^{\circ}$ C R = 5.0V, $T_{\rm J} = 25^{\circ}$ C
*Pulse test: Pulse width 300 µsec, Duty cycle 2% Thermal and Mechanical Characteristics				
Storage temperature ran Operating junction temp Maximum thermal resista Weight	ge range	TSTG TJ	Unaracteri	-65°C to 125°C -65°C to 125°C 12°C/W Junction to lead .08 ounces (2.4 grams) typical

OMicrosemi

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05-09-07 Rev. 2

## 1N5823, 1N5824, 1N5825

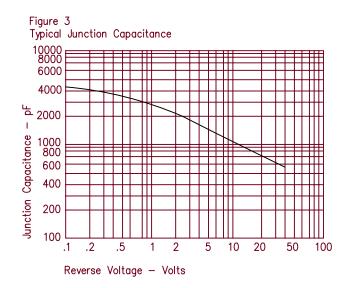


 1.0 75℃

.100

.010 25

Reverse Voltage - Volts



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Microsemi: <u>1N5825</u> <u>1N5823</u> <u>1N5825e3</u>