Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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- **1N6639 thru 1N6641AVAILABLE IN JAN, JANTX, JANTXV, AND JANS PER MIL-PRF-19500/609**
- **SWITCHING DIODES**
- **NON-CAVITY GLASS PACKAGE**
- **METALLURGICALLY BONDED**

1N6639

1N6640

1N6641

MAXIMUM RATINGS

Operating Temperature: -65°C to +175°C
Storage Temperature: -65°C to +175°C
Operating Current: 300 mA
Derating: 3 mA/°C Above T_L = +75°C@ = L = ⅜"
Surge Current: I_{FSM} = 2.5A, Pw = 8.3ms

ELECTRICAL CHARACTERISTICS @ 25°C, unless otherwise speci½ed.

TYPES	V_{BRR} @ 10 µA	V_{RWM}	I_{R1} @ T_A = +25°C V_R = V_{RWM}	I_{R2} @ T_A = +150°C V_R = V_{RWM}	T_{FR} I_F = 200 mA	T_{RR}	C_T V_R = 0
	$V_{(PK)}$ MIN	$V_{(PK)}$	nA dc	µA dc	ns	ns	pF
1N6639	100	75	100	100	10	4.0	2.5
1N6640	75	50	100	100	10	4.0	2.5
1N6641	75	50	100	100	10	5.0	3.0

FORWARD VOLTAGE:

TYPES	V_F @ I_F		
	V dC		mA
	MIN	MAX	(PULSED)
1N6639	–	1.20	500
1N6640	0.54	0.62	1
	0.76	0.86	50
	0.82	0.92	100
	0.87	1.00	200
1N6641	–	1.10	200

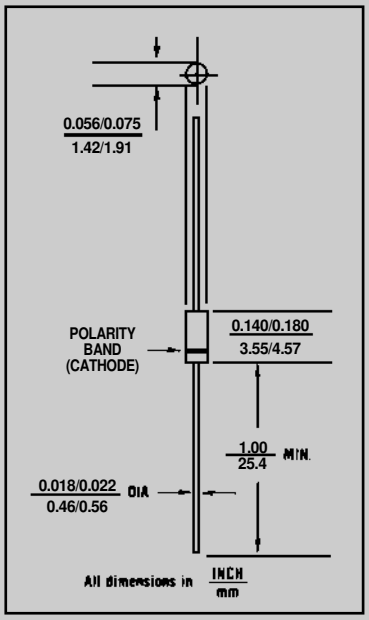


FIGURE 1

DESIGN DATA

CASE: Hermetically sealed, "D" Body per MIL-PRF- 19500/609. D-5D

LEAD MATERIAL: Copper clad steel

LEAD FINISH: Tin / Lead

THERMAL RESISTANCE: ($R_{\Theta JL}$): 160 °C/W maximum at L = .375

THERMAL IMPEDANCE: ($Z_{\Theta JX}$): 25 °C/W maximum

POLARITY: Cathode end is banded.

MOUNTING POSITION: Any

Microsemi

6 LAKE STREET, LAWRENCE, MASSACHUSETTS 01841
PHONE (978) 620-2600 FAX (781) 689-0803
WEBSITE: http://www.microsemi.com

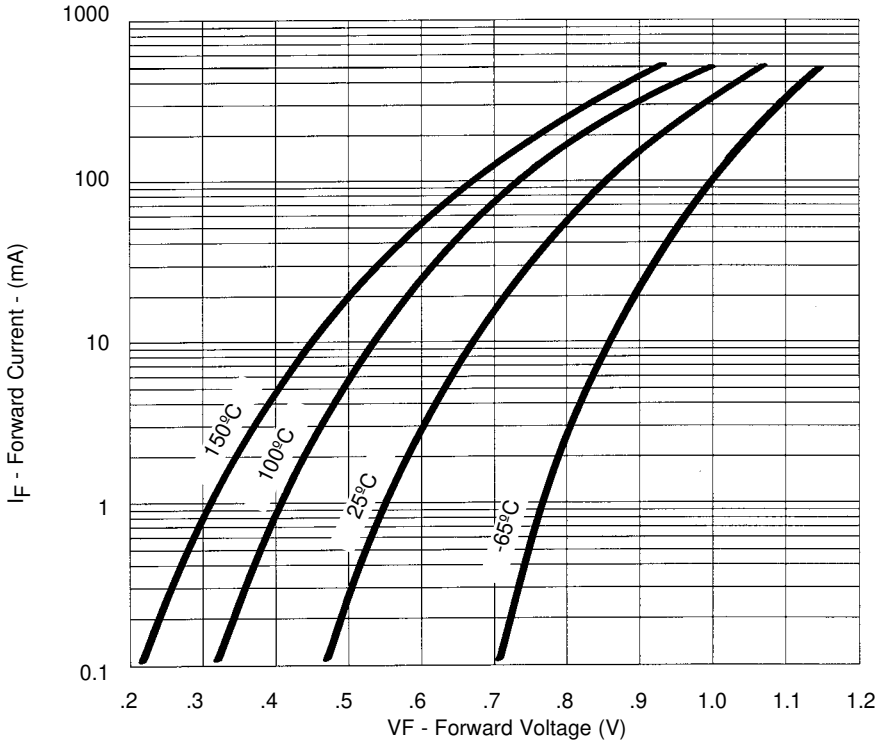
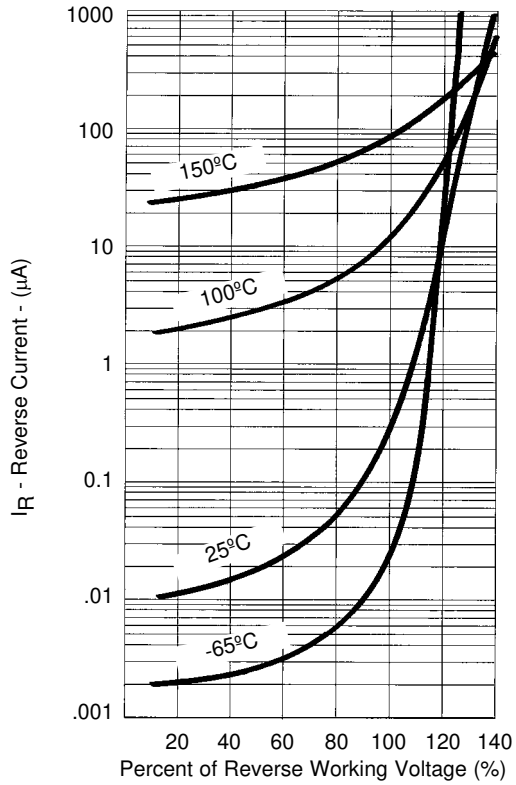


FIGURE 2
Typical Forward Current
vs Forward Voltage



NOTE : All temperatures shown on graphs are junction temperatures

FIGURE 3
Typical Reverse Current
vs Reverse Voltage