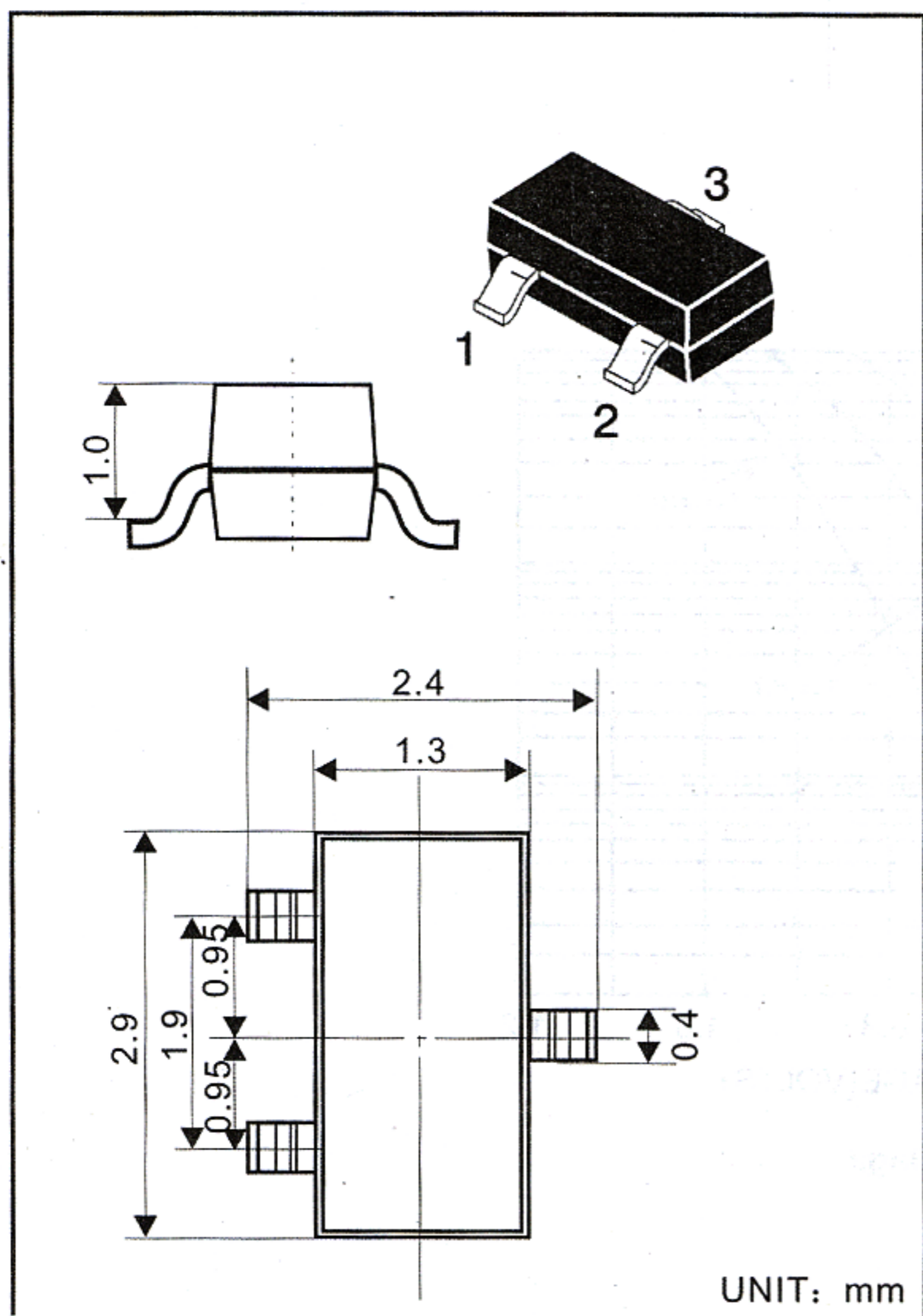


# SOT-23 Plastic-Encapsulate DIODES

## MMBD914LT1 RIGHT-SPEED SWITCHING DIODE



### FEATURES

**Power dissipation**

$P_D$ : 225mW ( $T_{amb}=25^\circ C$ )

**Forward current**

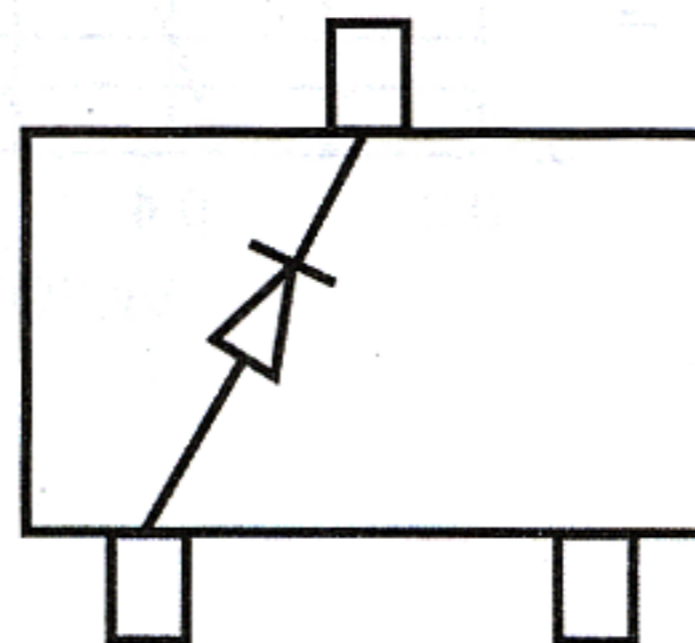
$I_F$ : 200mA

**Reverse voltage**

$V_R$ : 75V

**Operating and storage junction temperature range**

$T_J, T_{stg}$  :  $-55^\circ C$  to  $+150^\circ C$



Marking: 5D

### ELECTRICAL CHARACTERISTICS

( $T_{amp}=25^\circ C$  unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100 \mu A$	75		V
Reverse voltage leakage current	$I_R$	$V_R=75V$		2.5	$\mu A$
Forward voltage	$V_F$	$I_F=1mA$ $I_F=10mA$ $I_F=50mA$ $I_F=150mA$		715 855 1000 1250	mV
Diode capacitance	$C_{tot}$	$V_R=0V, f=1MHz$		4	pF
Reverse recovery time	$t_{rr}$	$I_F=I_R=10mA$ $I_{rr}=0.1I_R$		4	ns



