

Surface Mount Schottky Barrier Diodes

Pb Lead(Pb)-Free

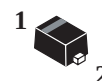
Description:

These Schottky barrier diodes are designed for high-speed switching applications, circuit protection, and voltage clamping. Extremely low forward voltage reduces conduction loss. Miniature surface mount package is excellent for hand-held and portable applications where space is limited.

Feature:

- * Extremely Fast Switching Speed
- * Low Forward Voltage 0.35V (Typ) @ $I_F = 10 \text{ mA}$

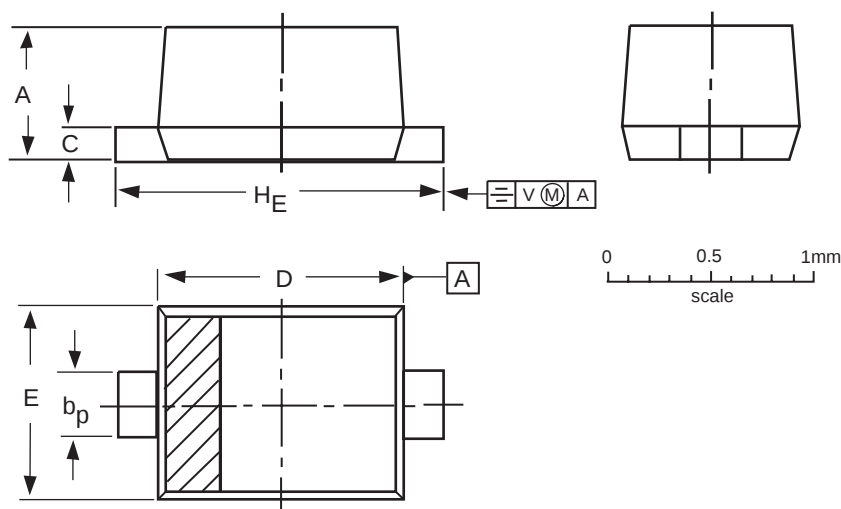
**SMALL SIGNAL
SCHOTTKY DIODES
200m AMPERES
30 VOLTS**



SOD-523

SOD-523 Outline Dimensions

Unit:mm



DIMENSIONS (mm are the original dimensions)

UNIT		A	b_p	c	D	E	H_E	V
mm	max	0.7	0.35	0.2	1.3	0.9	1.7	0.15
	min	0.5	0.25	0.1	1.1	0.7	1.5	

Note1. The marking bar indicates the cathode.

OUTLINE VERSION	REFERENCES			EUROPEAN PROJECTION	ISSUE DATE
	IEC	JEDEC	EIAJ		
SOD-523			SC-79		98-11-25

Electrical characteristic curves

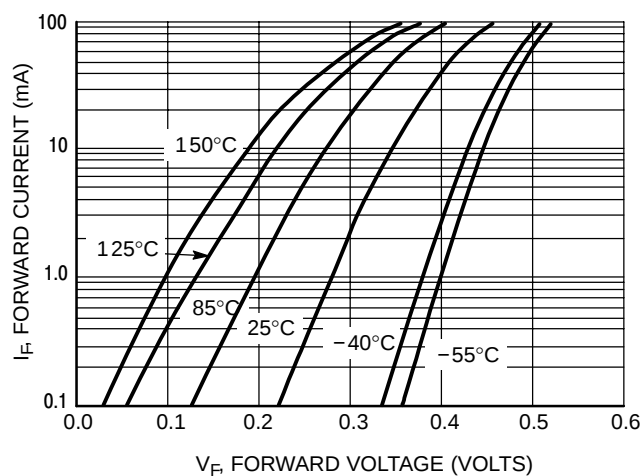


Figure 2. Forward Voltage

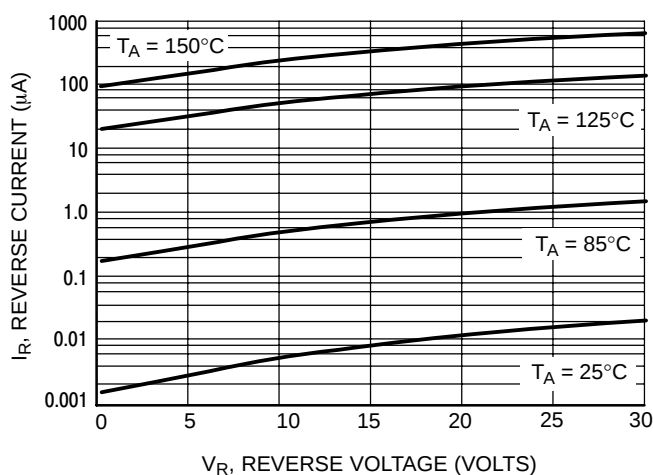


Figure 3. Leakage Current

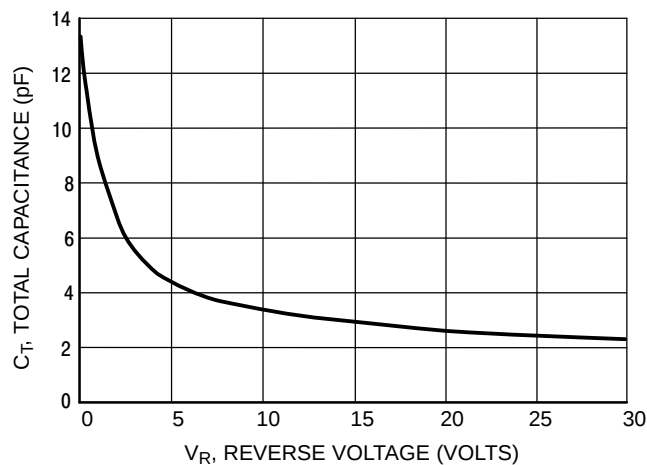


Figure 4. Total Capacitance