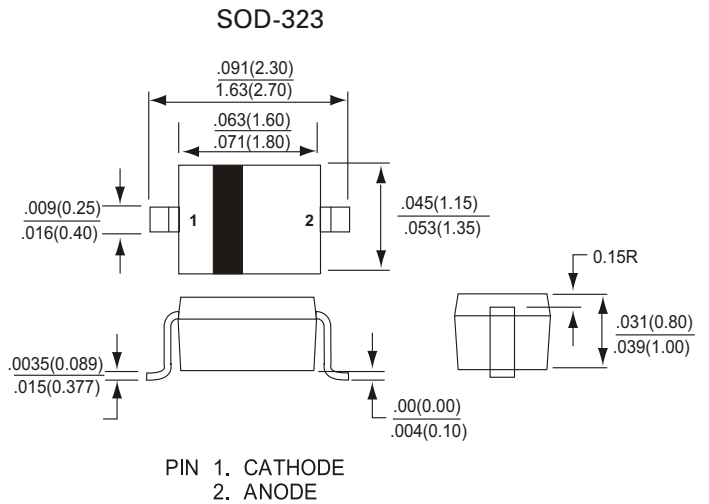


PSD751H

SURFACE MOUNT SCHOTTKY BARRIER DIODES

SMALL SIGNAL SCHOTTKY DIODES 30m AMPERES 30 VOLTS



FEATURES

- Extremely Low VF
- Very Small Conduction Losses
- Schottky Barrier Diodes Encapsulated in a SOD-323 Package

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

MAXIMUM RATING (T_A=25°C unless otherwise noted)

Characteristics	Symbol	PSD751H	Unit
Breakdown Voltage	B _V	40	Volts
Continuous Reverse Voltage	V _R	30	Volts
Average Rectified Forward Current	I _O	30	mAmps
Peak Forward Surge Current (8.3ms 1/2 Sine Wave)	I _{FSM}	200	mAmps
Storage Temperature	T _{stg}	-40 to +125	°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

Characteristics	Symbol	PSD751H	Unit
Device Marking		JV	
Maximum Instantaneous Forward Voltage I _F =1mA	V _F	0.37	Volts
Maximum Instantaneous Reverse Current (V _R =30V)	I _R	0.5	μAmps
Typical Junction Capacitance (V _R =10V, f=1MHz)	C _J	20	P _F

PSD751H

SURFACE MOUNT SCHOTTKY BARRIER DIODES

Electrical Characteristic Curves ($T_a=25^{\circ}\text{C}$ Unless Specified Otherwise)

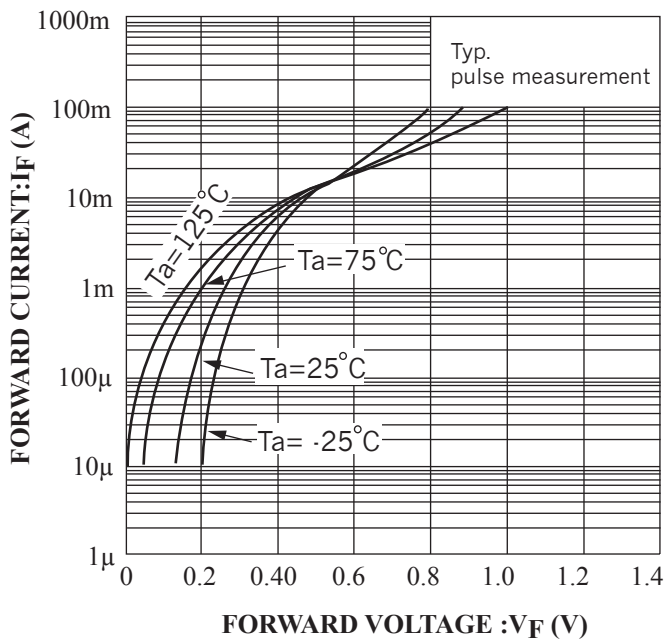


Fig 1. Forward Characteristics

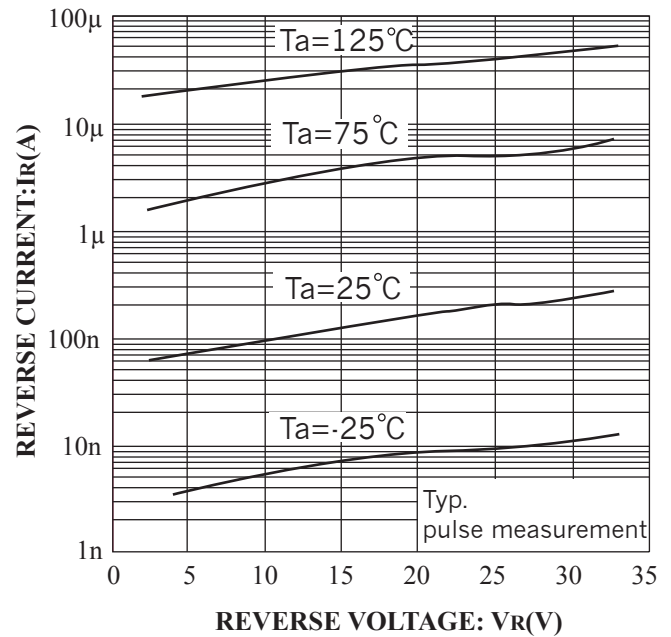


FIG 2. Reverse Characteristics

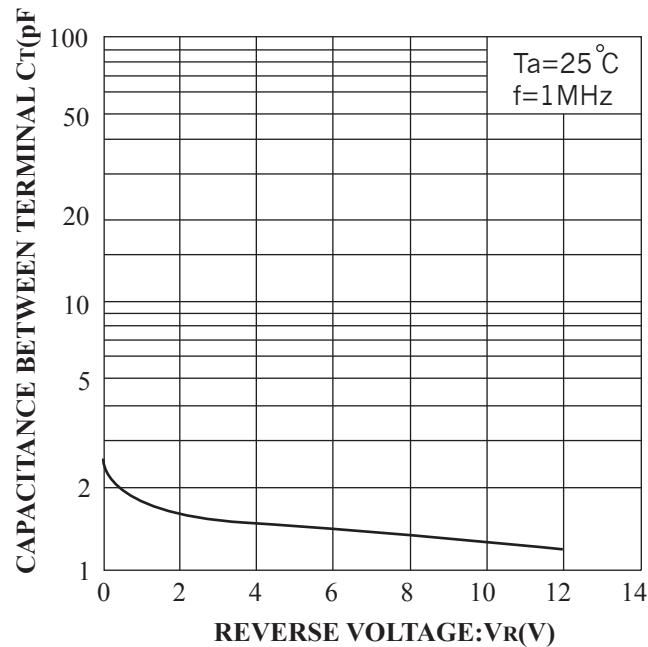


FIG. 3 Capacitance Between Terminal Characteristics