

# HSK110

## Silicon Epitaxial Planar Diode for UHF/VHF tuner Band Switch

# HITACHI

 Rev. 1  
 Jun. 1994

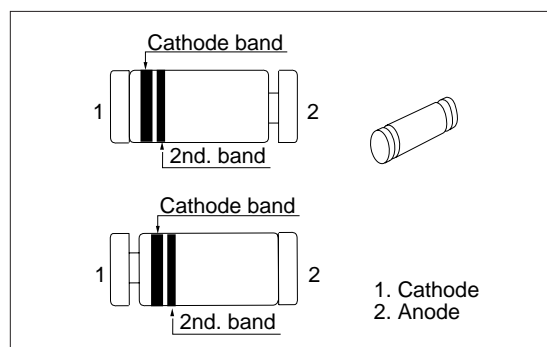
### Features

- Low forward resistance. ( $r_f = 0.9\Omega$  max)
- LLD package is suitable for high density surface mounting and high speed assembly.

### Ordering Information

Type No.	Cathode band	2nd.band	Package code
HSK110	White	Blue	LLD

### Outline



### Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Value	Unit
Reverse voltage	$V_R$	35	V
Forward current	$I_F$	100	mA
Operation temperature	$T_{opr}$	-20 to + 60	°C
Storage temperature	$T_{stg}$	-55 to +125	°C

### Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Forward voltage	$V_F$	0.65	—	1.05	V	$I_F = 1$ mA
Reverse voltage	$V_R$	35	—	—	V	$I_R = 1$ $\mu$ A
Reverse current	$I_R$	—	—	0.1	$\mu$ A	$V_R = 25$ V
Capacitance	C	—	—	1.2	pF	$V_R = 6$ V , $f = 1$ MHz
Forward resistance	$r_f$	—	—	0.9	$\Omega$	$I_F = 2$ mA , $f = 100$ MHz

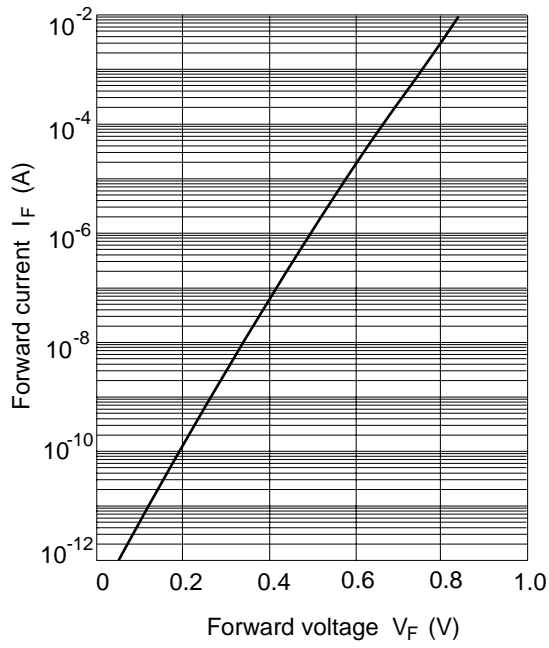


Fig.1 Forward current Vs. Forward voltage

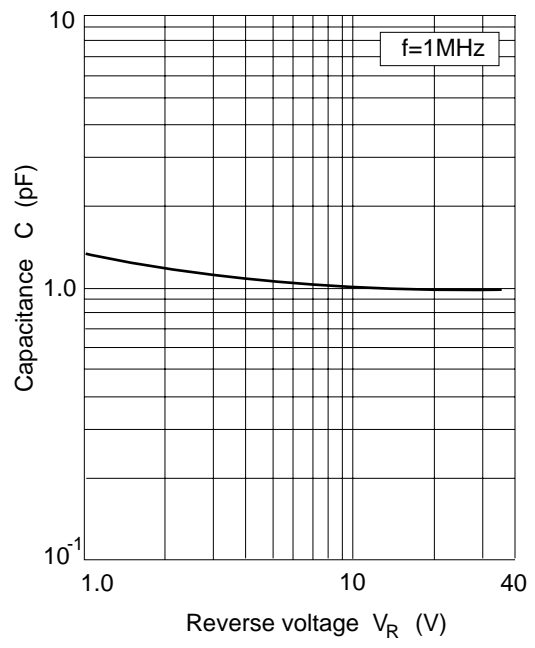


Fig.2 Capacitance Vs. Reverse voltage

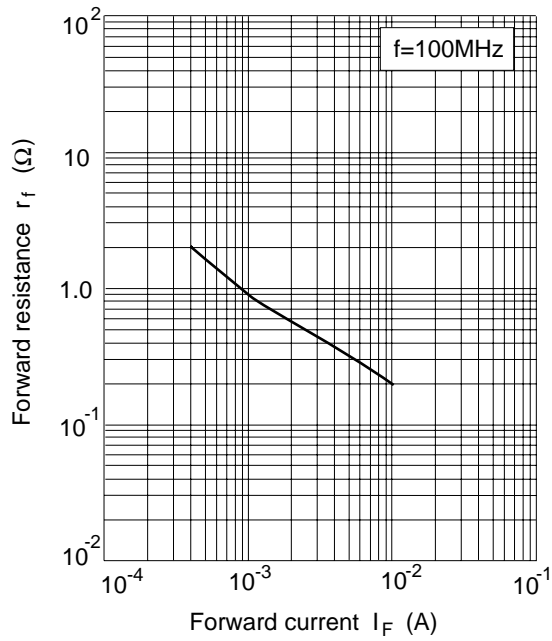
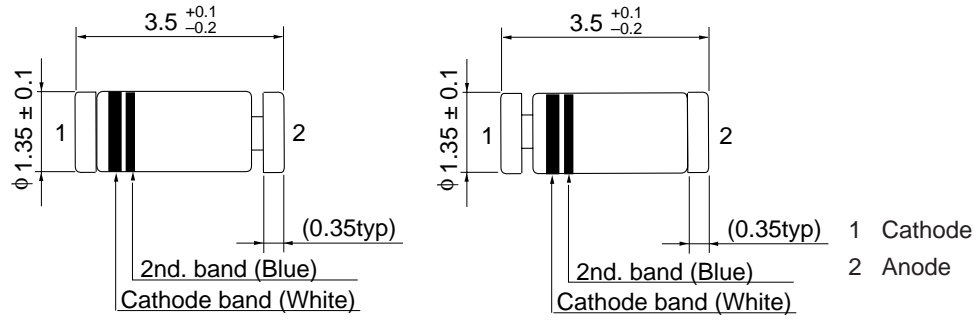


Fig.3 Forward resistance Vs. Forward current

Package Dimensions

Unit: mm



( ) : Reference only

HITACHI Code	LLD
JEDEC Code	—
EIAJ Code	—
Weight (g)	0.027