



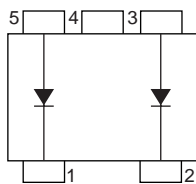
CPH5513

Pin Diode for VHF, UHF, AGC Applications

Features

- Small interterminal capacitance ($C=0.23\text{pF}$ typ).
- Small forward series resistance ($r_s=2.5\Omega$ typ).
- Composite type with 2 diodes contained in a CPH package currently in use, improving the mounting efficiency greatly.

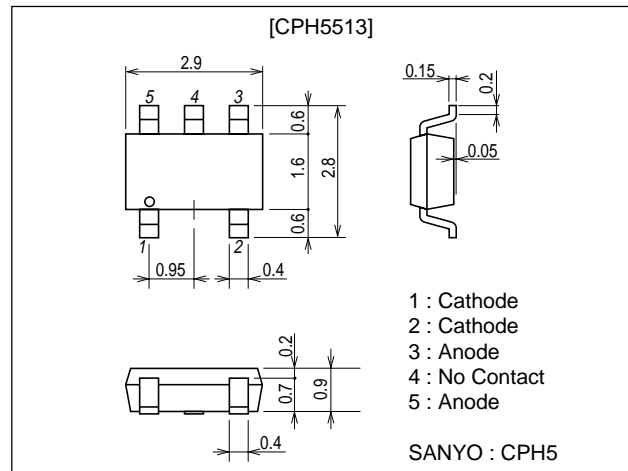
Electrical Connection



- (Top view)
- 1 : Cathode
 - 2 : Cathode
 - 3 : Anode
 - 4 : No Contact
 - 5 : Anode

Package Dimensions

unit : mm
1294



Specifications

Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V_R		50	V
Forward Current	I_F		50	mA
Allowable Power Dissipation	P		350	mW
Junction Temperature	T_J		125	$^\circ\text{C}$
Storage Temperature	T_{stg}		-55 to +125	$^\circ\text{C}$

Electrical Characteristics at $T_a=25^\circ\text{C}$

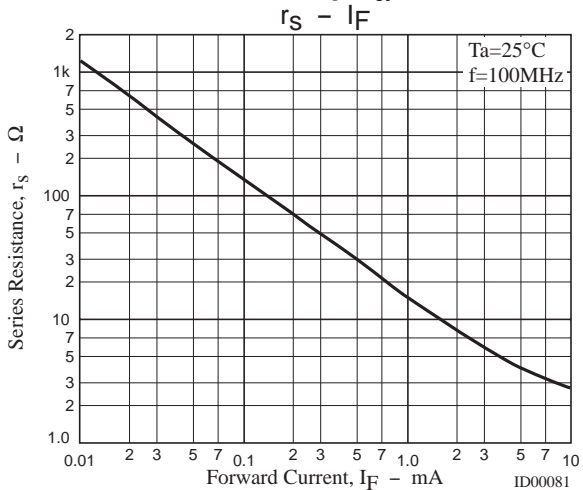
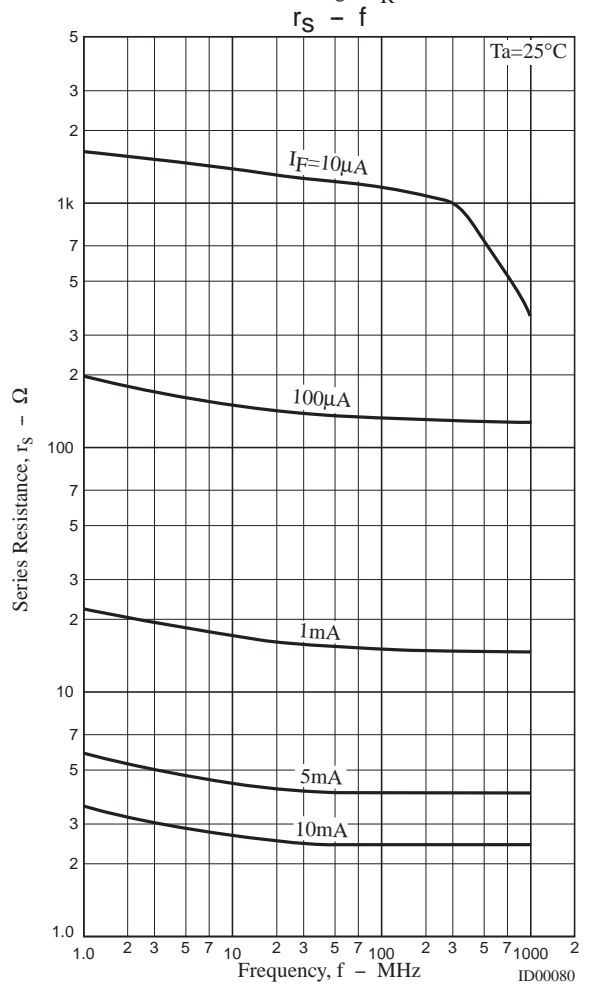
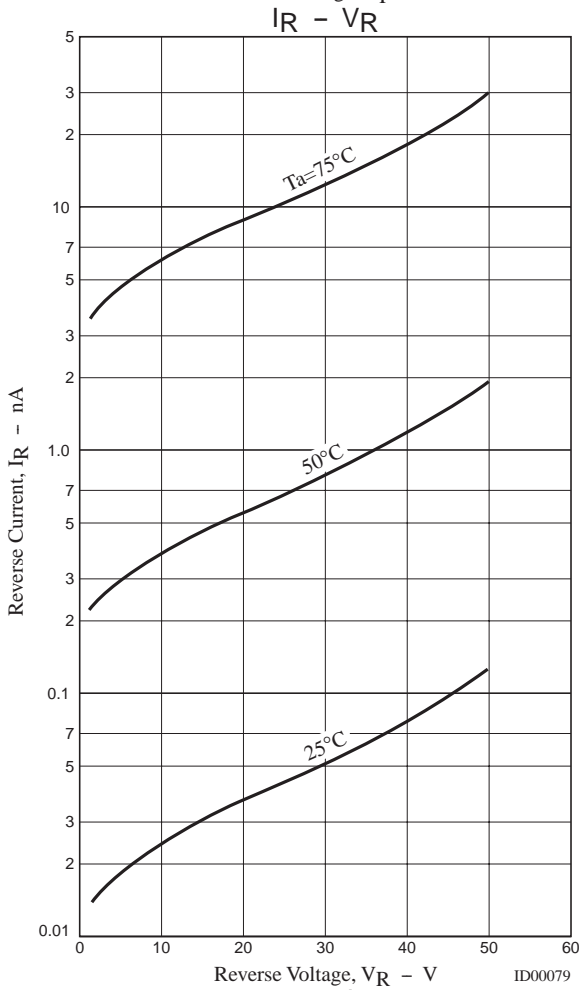
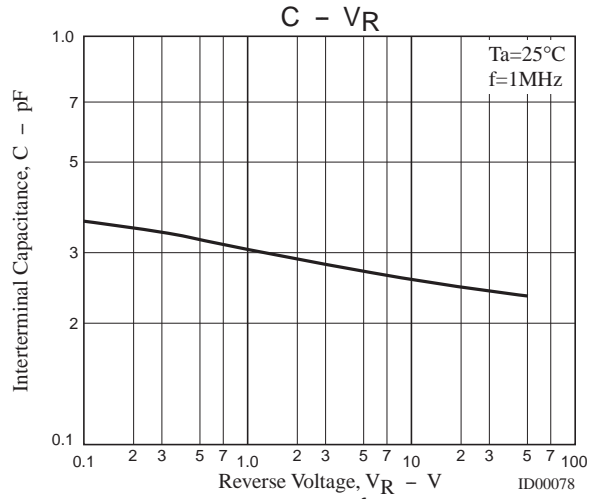
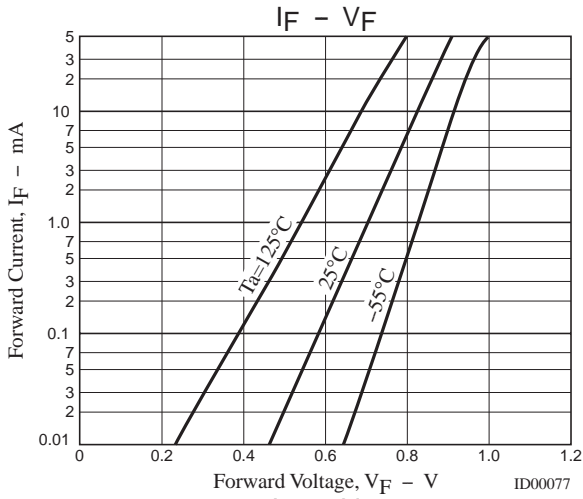
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	V_R	$I_R=10\mu\text{A}$	50			V
Reverse Current	I_R	$V_R=50\text{V}$			0.1	μA
Forward Voltage	V_F	$I_F=50\text{mA}$		0.91		V
Interterminal Capacitance	C	$V_R=50\text{V}, f=1\text{MHz}$		0.23		pF
Series Resistance	r_s	$I_F=5\text{mA}, f=100\text{MHz}$		4.0		Ω
		$I_F=10\text{mA}, f=100\text{MHz}$		2.5		Ω

The specifications shown above are for each individual diode.

Marking : 2B

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