



SANYO Semiconductors

DATA SHEET

CPH5512

 — Silicon Epitaxial Type

Pin Diode for VHF, UHF, AGC Applications

Features

- Composite type with 2 diodes contained in a CPH package currently in use, improving the mounting efficiency greatly.
- Small interterminal capacitance ($C=0.23\text{pF}$ typ).
- Small forward series resistance ($r_s=5\Omega$ typ).

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	$I_F=50\text{mA}$		0.95		V
Interterminal Capacitance	C	$V_R=50\text{V}$, $f=1\text{MHz}$		0.23		pF
Series Resistance	r_s	$I_F=10\text{mA}$, $f=100\text{MHz}$		5.0		Ω

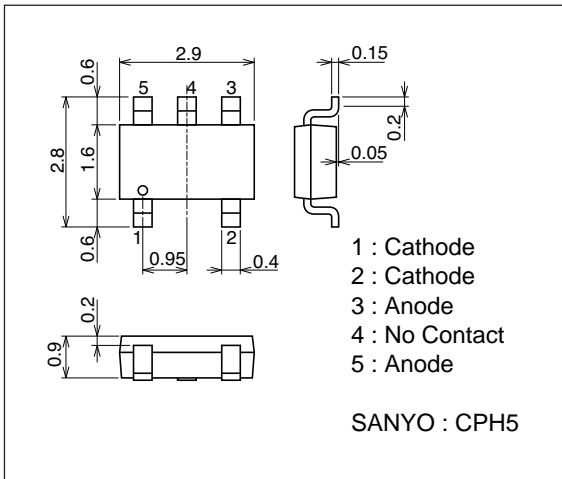
Marking : 2B

The specifications shown above are for each individual diode.

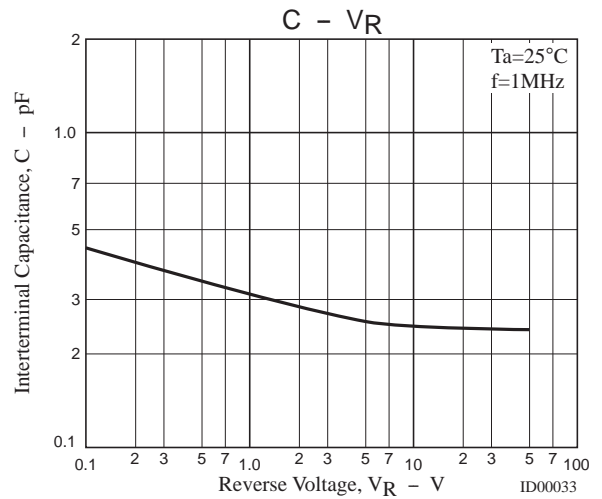
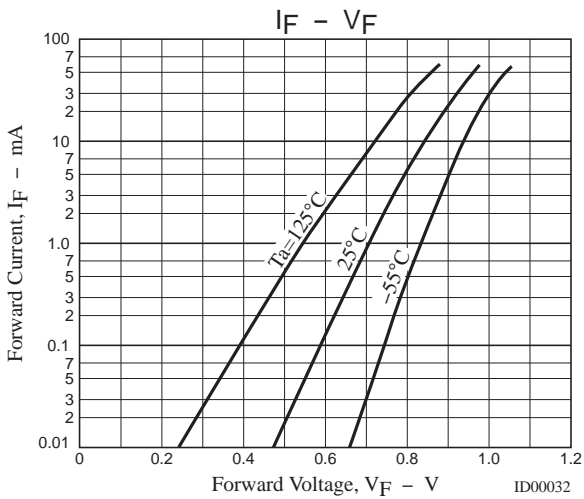
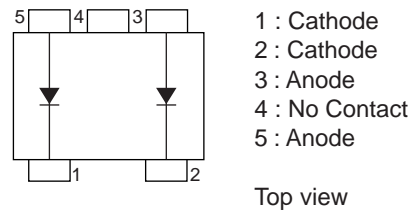
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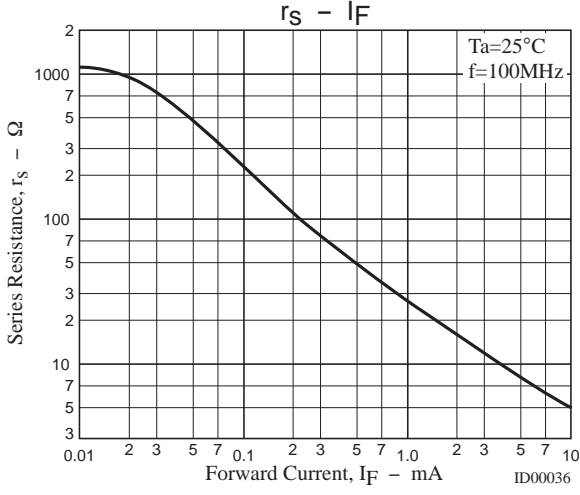
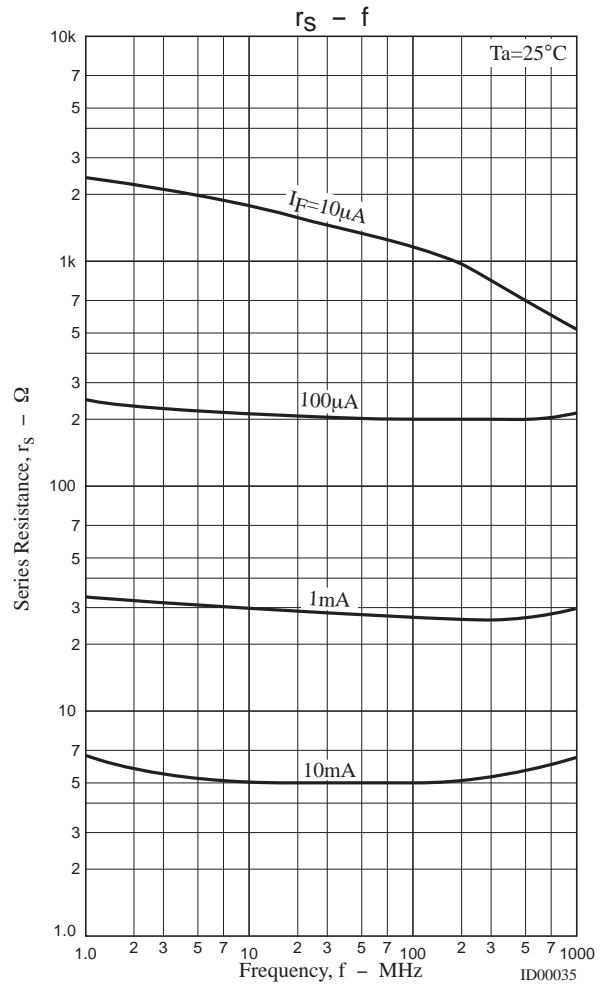
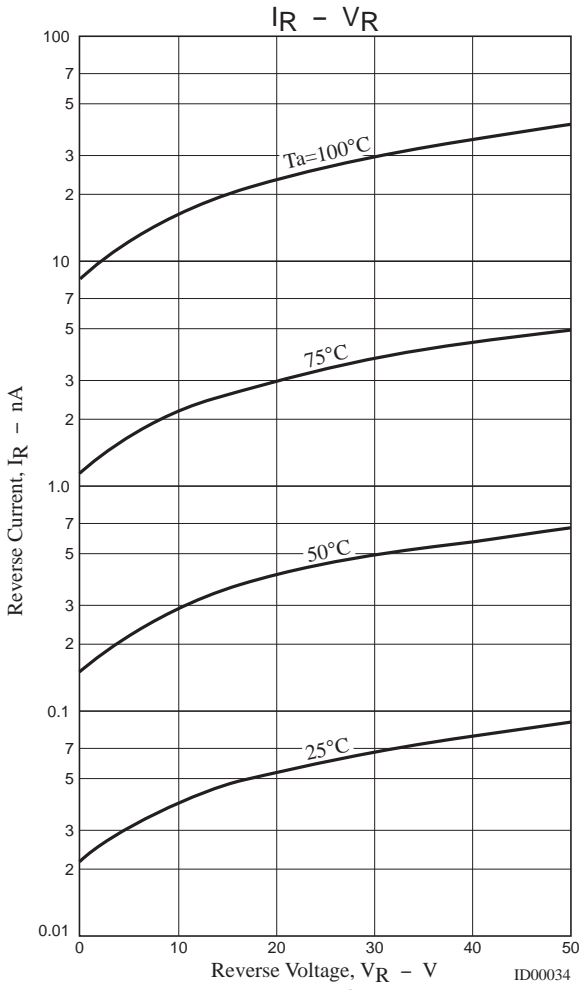
Package Dimensions

unit : mm (typ)
7017A-001



Electrical Connection





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