ON Semiconductor®

ON Semiconductor DATA SHEET

CPH5513

Silicon Epitaxial Type Pin Diode for VHF, UHF, AGC Applications

Features

- Small interterminal capacitance (C=0.23pF 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.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		50	V
Forward Current	IF		50	mA
Allowable Power Dissipation	Р		350	mW
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

Electrical Characteristics at Ta=25°C

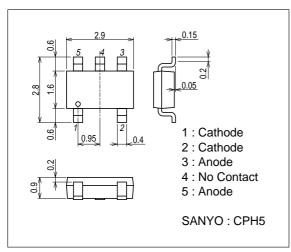
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Reverse Voltage	VR	I _R =10μA	50			V
Reverse Current	IR	VR=50V			0.1	μΑ
Forward Voltage	VF	IF=50mA		0.91		V
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23		pF
Series Resistance	r _S	IF=5mA, f=100MHz		4.0		Ω
		IF=10mA, f=100MHz		2.5		Ω

Marking : 2A

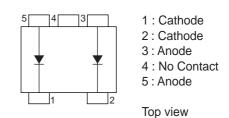
The specifications shown above are for each individual diode.

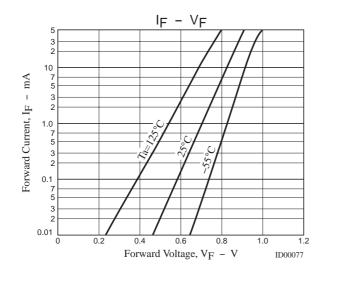
Package Dimensions

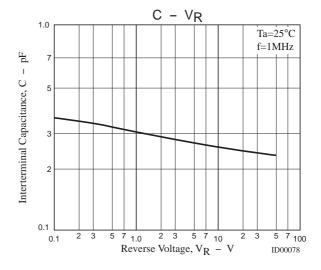
unit : mm (typ) 7017A-001

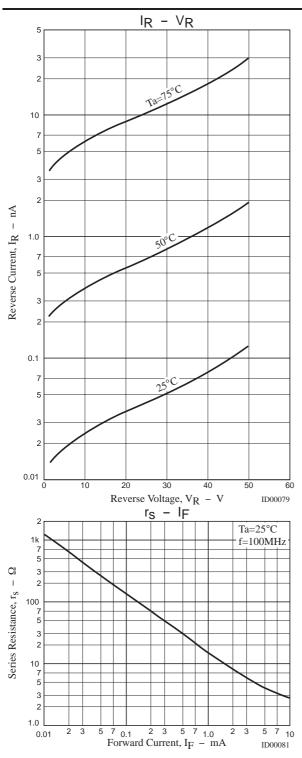


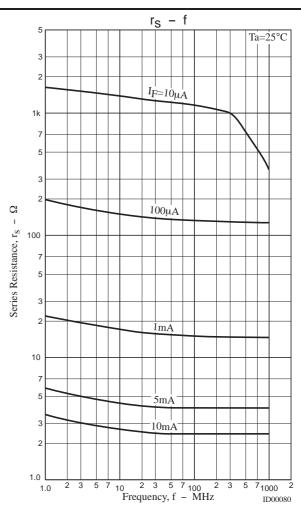
Electrical Connection











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