CPH5512

PIN Diode Dual parallel PIN Diode for VHF, UHF and AGC 50V, 50mA, rs=typ 5Ω, CPH5



Features

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

Specifications

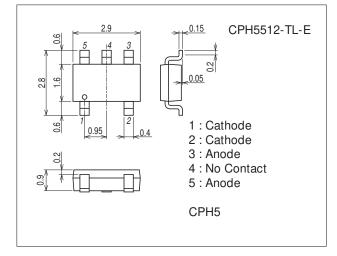
Absolute Maximum Ratings at Ta=25°C

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

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.

Package Dimensions

unit : mm (typ) 7017A-001



Product & Package Information

- Package
- JEITA, JEDEC : SC-74A, SOT-25

: CPH5

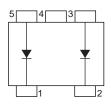
• Minimum Packing Quantity : 3,000 pcs./reel

Packing Type : TL

	Н	Η	\square
	° 2B		LOT No.
1	Н		Н

Marking

Electrical Connection



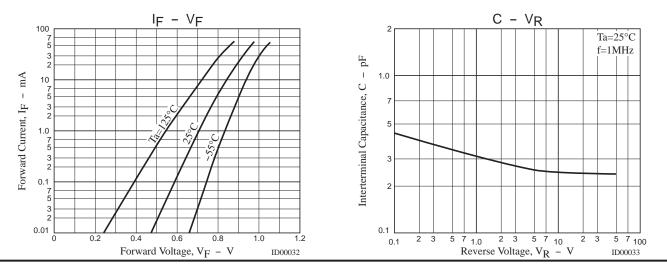
Electrical Characteristics at Ta=25°C

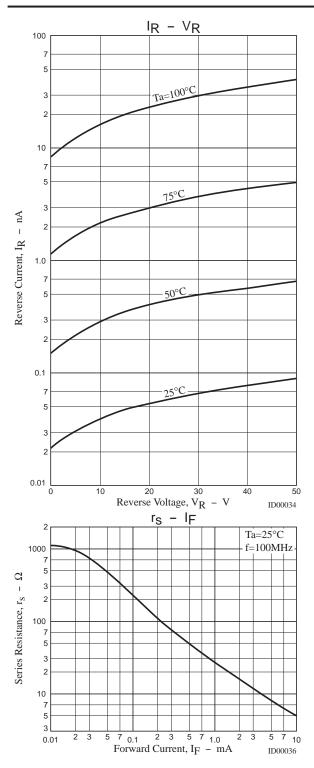
Parameter	Symbol	Conditions		Unit		
	Symbol	Conditions	min	typ	max	Unit
Reverse Voltage	VR	I _R =10μA	50			V
Reverse Current	IR	V _R =50V			0.1	μA
Forward Voltage	VF	IF=50mA		0.95		V
Interterminal Capacitance	С	V _R =50V, f=1MHz		0.23		pF
SeriesResistance	rs	IF=10mA, f=100MHz		5		Ω

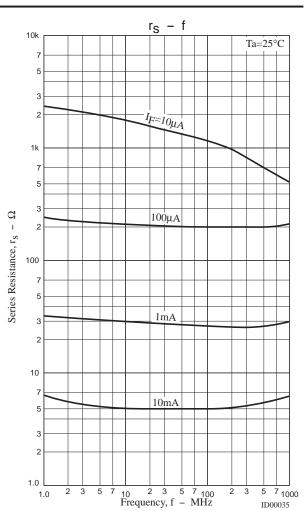
The specifications shown above are for each individual diode.

Ordering Information

Device Package		Shipping	memo	
CPH5512-TL-E	CPH5	3,000pcs./reel	Pb Free	







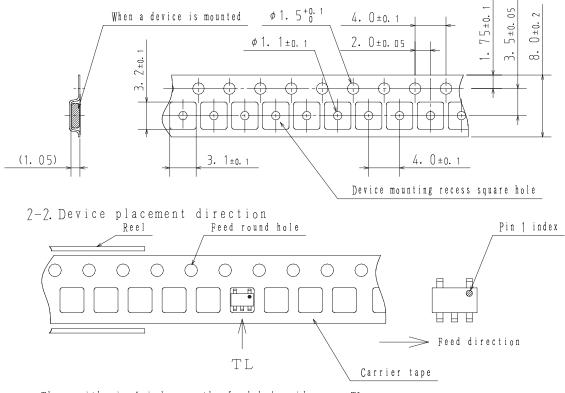
Embossed Taping Specification CPH5512-TL-E

1. Packing Format

Package Name	Carrier Tape		imum Number of Packing format				ormat		
	Туре	Reel	Inner box	Outer box	Inn	er BO	X (C−1)		Outer BOX (A-7)
CPH5	CPH6	3,000	15,000	90,000	5 reel	ls contai	n e d	6	inner boxes contained
					Dimen	sions:mm	n (externa	1) D	imensions:mm (external)
					18	3×72	×185	4	4 0 × 1 9 5 × 2 1 0
Packing met	Type LOT	No.	-> ["	(U) TYPE 000CC II 11111111111111111111111111111111111	n i t :m 5 9		It The	s a labe form of	x l a b e l l at the time of factory shipmeni a label may change in physical l process. 1 0 l os
	Quan Orig Reel la	-	NOTE Th		REE * d of the sE 3	escripti terminal JEIT JEITA		that free.	000000000

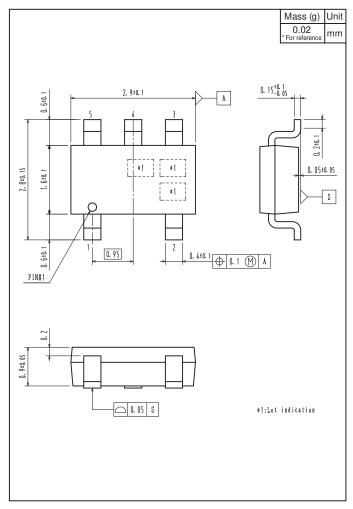
2. Taping configuration

2-1. Carrier tape size (unit:mm)

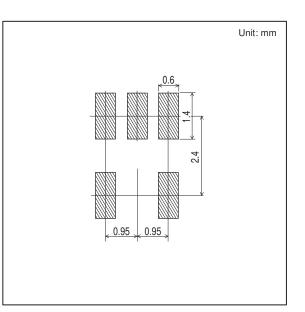


Those with pin 1 index on the feed hole side $\cdots \cdots TL$

Outline Drawing CPH5512-TL-E



Land Pattern Example



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