查询CPH5504供应商

捷多邦,专业PCB打样工厂,24小时加急出货

Ordering number : ENN6793

NPN Epitaxial Planar Silicon Transistor



Applications

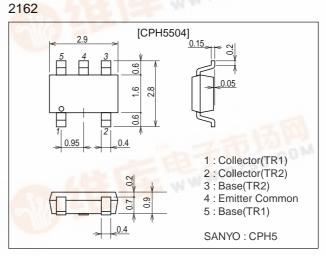
• DC-DC converter, relay drivers, lamp drivers, motor drivers, strobes.

Features

- Composite type with 2 NPN transistors in one package facilitating high-density mounting.
- The CPH5504 is composed of 2 chips each equivalent to the CPH3205.
- Ultrasmall-sized package facilitates miniaturization in end products. (mounting height : 0.9mm)

Package Dimensions

unit : mm



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	VCBO		80	V
Collector-to-Emitter Voltage	VCES		80	V
Collector-to-Emitter Voltage	VCEO		50	V
Emitter-to-Base Voltage	VEBO		6	V
Collector Current	IC		3	А
Collector Current (Pulse)	ICP		6	А
Base Current	IB		600	mA
Collector Dissipation	PC	Mounted on a ceramic board (600mm ² X 0.8mm)	0.9	W
Total Power Dissipation	PT	Mounted on a ceramic board (600mm ² X 0.8mm)	1.2	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg	A COM	-55 to +15	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Collector Cutoff Current	ICBO	V _{CB} =40V, I _E =0	1.0	-1	1	μA
Emitter Cutoff Current	IEBO	V _{EB} =4V, I _C =0	and the second	2-1	1	μA
DC Current Gain	hFE1	V _{CE} =2V, I _C =100mA	200	C- MA	560	5.000
	hFE2	V _{CE} =2V, I _C =3A	70	1 AU 44		
Gain-Bandwidth Product	fT	V _{CE} =10V, I _C =500mA		380		MHz
Output Capacitance	Cob	V _{CB} =10V, f=1MHz		13		pF
	fT	V _{CE} =10V, I _C =500mA			-	

Continued on next page.

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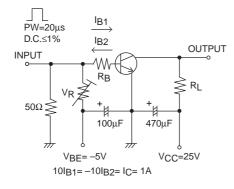


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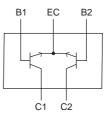
Parameter	Symbol	Conditions	Ratings			
			min	typ	max	Unit
Collector-to-Emitter Saturation Voltage	V _{CE} (sat)	IC=1A, IB=50mA		80	120	mV
	V _{CE} (sat)	IC=2A, IB=100mA		140	210	mV
Base-to-Emitter Saturation Voltage	V _{BE} (sat)	IC=2A, IB=100mA		0.88	1.2	V
Collector-to-Base Breakdown Voltage	V(BR)CBO	IC=10μA, IE=0	80			V
Collector-to-Base Breakdown Voltage	V(BR)CES	IC=100μA, RBE=0	80			V
Collector-to-Emitter Breakdown Voltage	V(BR)CEO	IC=1mA, RBE=∞	50			V
Emitter-to-Base Breakdown Voltage	V(BR)EBO	I _E =10μA, I _C =0	6			V
Turn-ON Time	ton	See specified Test Circuit		35		ns
Storage Time	tstg	See specified Test Circuit		300		ns
Fall Time	tf	See specified Test Circuit		22		ns

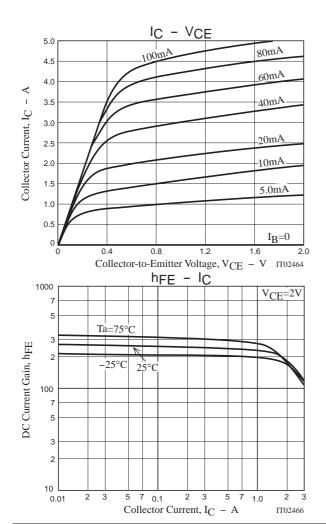
Marking : ED

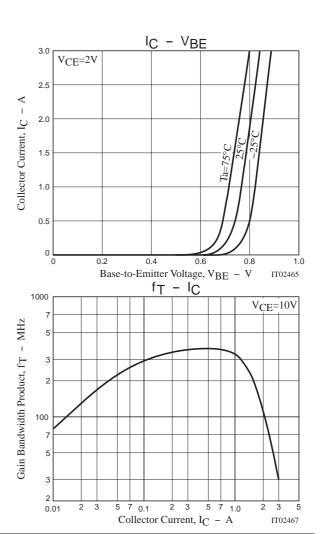
Switching Time Test Circuit

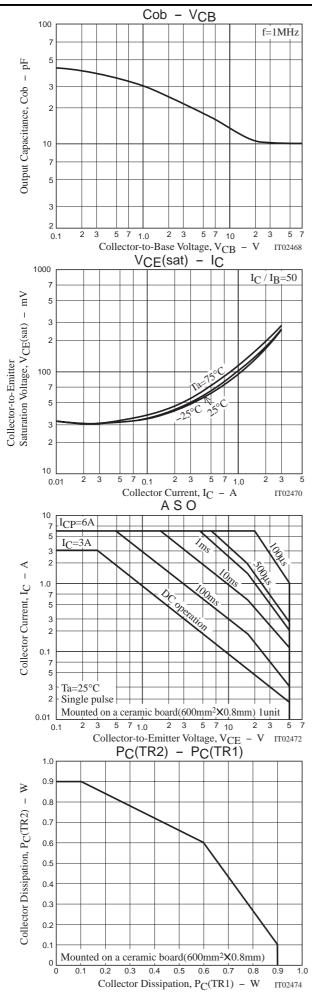


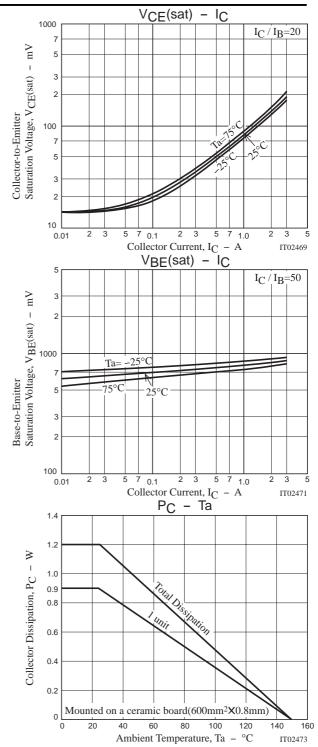
Electrical Connection











CPH5504

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