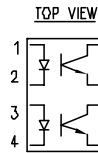
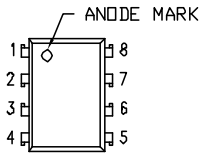


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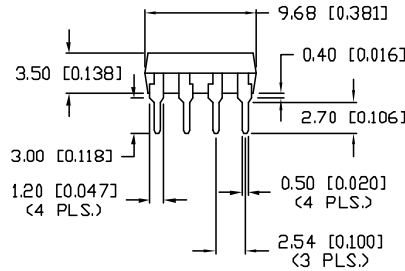
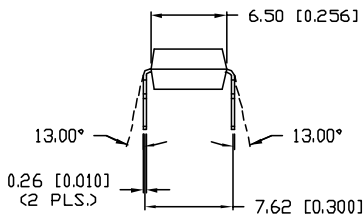
PART NUMBER
OCP-PCT218/E

REV.
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | E.C.N. #10BRDR. & #10776. | 8.16.01 |
| B | E.C.N. #1114B. | 5.16.07 |



NOTES:
1,3. ANODE
2,4. CATHODE
5,7. EMITTER
6,8. COLLECTOR



| PARAMETER | SYMBOL | CONDITIONS | MIN | TYP | MAX | UNITS |
|--|----------------------|--|--------------------|------------------|------------------|-------|
| I FORWARD VOLTAGE | V _f | I _F =20mA | - | 1.2 | 1.4 | V |
| I PEAK FORWARD VOLTAGE | V _{fM} | I _{fM} =0.5A | - | - | 3.5 | V |
| I REVERSE CURRENT | I _r | V _R =4V | - | - | 10 | μA |
| I TERMINAL CAPACITANCE | C _t | V=0, f=1kHz | - | 30 | - | pF |
| O COLLECTOR DARK CURRENT | I _{CE0} | V _{CE} =20V | - | - | 10 ⁻⁷ | A |
| T CURRENT TRANSFER RATIO | CRT | I _F =2mA, V _{CE} =5V | 60 | - | 600 | % |
| I COLLECTOR-EMITTER SATURATION VOLTAGE | V _{CE(sat)} | I _F =20mA, I _C =1mA | - | 0.1 | 0.3 | V |
| I ISOLATION RESISTANCE | R _{iso} | DC500V | 5x10 ¹⁰ | 10 ¹¹ | - | ohm |
| I FLOATING CAPACITANCE | C _f | V=0, f=1MHz | - | 0.6 | 1.0 | pF |
| I CUT-OFF FREQUENCY | f _c | V _{CE} =5V, I _C =2mA, R _L =100ohm | - | 80 | - | kHz |
| I RESPONSE TIME (RISE) | t _r | V _{CE} =5V, I _C =2mA, R _L =100ohm | - | 5 | 20 | μS |
| I RESPONSE TIME (FALL) | t _f | V _{CE} =5V, I _C =2mA, R _L =100ohm | - | 4 | 20 | μS |

I=INPUT, O=OUTPUT, T=TRANSFER CHARACTERISTICS.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=#1 (±0.039), XX=#0.5 (±0.020), XXX=#0.25 (±0.010), XXXX=#0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN=+DECIMAL PRECISION -0.00, MAX.=+0.00 -DECIMAL PRECISION

| PARAMETER | SYMBOL | MAX | UNITS |
|-------------------------------|------------------|-------------|------------------|
| I FORWARD CURRENT | I _F | 50 | mA |
| I PEAK FORWARD CURRENT | I _{fM} | 1 | A |
| I REVERSE VOLTAGE | V _R | 6 | V |
| I POWER DISSIPATION | P _D | 70 | mW |
| O COLLECTOR-EMITTER VOLTAGE | V _{CE0} | 60 | V |
| I EMITTER-COLLECTOR VOLTAGE | V _{EC0} | 6 | V |
| I COLLECTOR CURRENT | I _C | 50 | mA |
| I COLLECTOR POWER DISSIPATION | P _C | 150 | mW |
| I TOTAL POWER DISSIPATION | P _{tot} | 200 | mW |
| I ISOLATION VOLTAGE 1 MIN. | V _{iso} | 5000 | V _{RMS} |
| I OPERATING TEMPERATURE | T _{opr} | -30 TO +100 | °C |
| I STORAGE TEMPERATURE | T _{stg} | -55 TO +125 | °C |
| I SOLDERING TEMPERATURE | T _{sol} | +260 | °C |
| I 2.0mm FROM BODY | | 10 SEC. MAX | |

I=INPUT, O=OUTPUT.



UNCONTROLLED DOCUMENT

| | |
|---|-----------------------------|
| REV. B | PART NUMBER OCP-PCT218/E |
| EIGHT PIN DIP DUAL CHANNEL PHOTOCOUPLER, TRANSISTOR OUTPUT WITHOUT EXTERNAL BASE CONNECTION. | |

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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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| DRAWN BY: JC | CHECKED BY: | APPROVED BY: | DATE: 9.29.99 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |