

### CERAMIC CHIP SMD



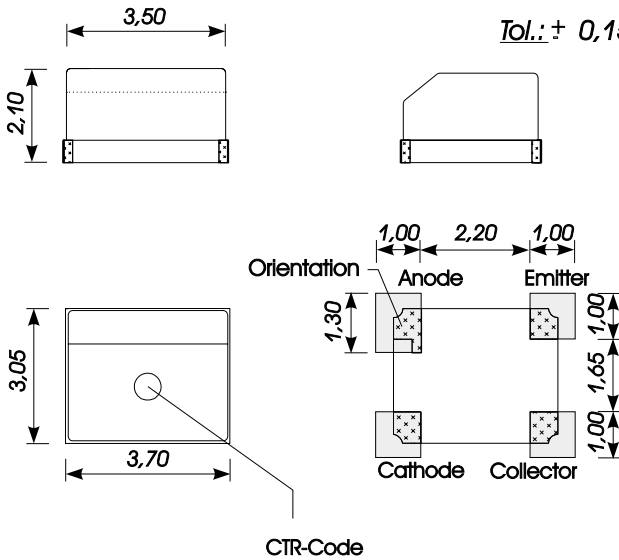
COP 200

MADE IN GERMANY

8/03

ALL MEASUREMENTS IN mm

Tol.: ± 0,15



#### Features

- Surface mount device
- Complete ceramic housing
- High temperature range
- Miniature size
- Solder pads confirm to Mil-Std. 883 B

#### Description

This opto device is specially designed for all applications where the space is very limited and a highly reliable product is needed. Especially for hybrid and SMT. The solder pads are a very good heat sink, so that high power dissipation is achievable. The current transfer ratio will be selected in groups and indicated with colour dots on the component

#### MAXIMUM RATINGS AT 25 °C

DC isolation voltage	1000 V
Total power dissipation	200 mW
Storage temperature	-55 °C.... +125 °C
Operating temperature	-55 °C.... +120 °C
Soldering temperature for 10 sec	240 °C

Note: during solder process the component must not be held or fixed mechanically on the upper part ( cap )

**Current Transfer Ratio**  $V_{CE} = 5V, I_F = 10mA$

SELECTION OF GROUPS (on special request):

COP 200-0	Black	50	99
COP 200-1	pink	100	149
COP 200-2	red	150	199
COP 200-3	blue	200	249
COP 200-4	green	250	299
COP 200-5	white	300	---

#### Emitter

Reverse Voltage	$V_R$	5	V
Continuous forward current	$I_F$	60	mA
Pulse current ( 10 µsec )	$I_{Peak 10 \mu sec}$	800	mA
Forward voltage	$V_F$	1,2...1.8	V

#### Detector

Collector Emitter Breakdown	$V_{CEO}$	35	V*
Emitter Base Voltage	$V_{EBO}$	7	V
Collector Current	$I_C$	50	mA
Saturation Voltage	$V_{CE sat}$	0,25	V
Capacity ( f= 1 MHz )		12	pF

\* 70 V on request

Pour plus d'information, merci de contacter le distributeur en  
France :

# ISC-DISTREL

1 Avenue du Président Pompidou

BP 50801

92508 Rueil Malmaison Cedex

Tel : 01.41.39.25.00

Fax : 01.47.32.99.25

[www.isc-distrel.com](http://www.isc-distrel.com)

[contact@isc-distrel.com](mailto:contact@isc-distrel.com)