



## DC-DC CONVERTER

# CR3

### Features

- Isolated output
- Low noise
- 5 side shield
- The automatic reset type overcurrent protection
- small size
- Size: 31.75×20.3×11.8mm

### Maximum Rating and Environmental Characteristics

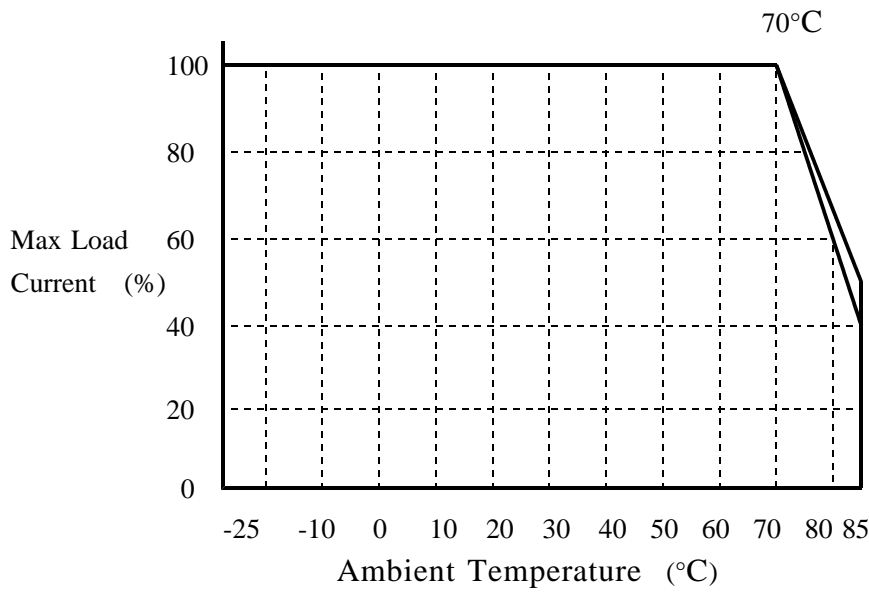
Maximum Input Voltage	Operating Temperature Range	-25 ~ +85°C
CR3      -05      9V	Storage Temperature Range	-40 ~ +100°C
CR3      -12      18V	Humidity Range	20 ~ +95%RH
CR3      -24      36V	Vibration	2G(10~55Hz)
Isolation Withstand AC500V	Impact Shock	20G

### Electrical Characteristics (Ta=+25°C)

Model	Input Voltage(V)	Output Voltage(V)	Output Current (mA)	Output Regulation Ratio(%)	Output Noise (mVpp)	Efficiency (%)	
						MIN	TYP
CR3S05-05	4.5 ~ 9	5.0	600	1.0	50	65	70
CR3S05-12	9~ 18	5.0	600	1.0	50	70	70
CR3S05-24	18~ 36	5.0	600	1.0	50	70	75
CR3S12-24	18~ 36	12.0	250	1.0	50	70	80
CR3S15-12	9~ 18	15.0	200	1.0	50	70	75
CR3D05-05	4.5 ~ 9	±5.0	±300	1.0	50	65	70
CR3D05-12	9~ 18	±5.0	±300	1.0	50	70	70
CR3D05-24	18~ 36	±5.0	±300	1.0	50	70	70
CR3D12-24	18~ 36	±12.0	±125	1.0	50	70	70
CR3D15-12	9~ 18	±15.0	±100	1.0	50	70	80
CR3D15-24	18~ 36	±15.0	±100	1.0	50	70	80

## Derating

### Load vs Ambient Temperature

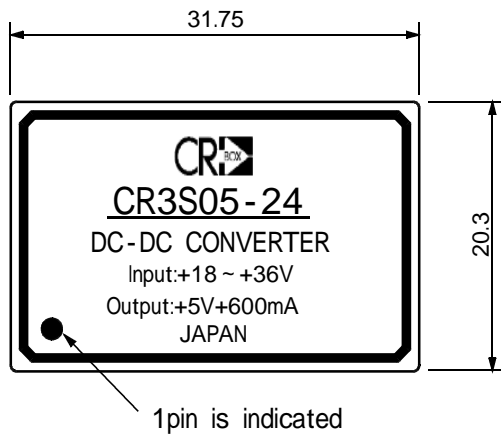


## Ordering information

CR 3 \_ \_ - \_

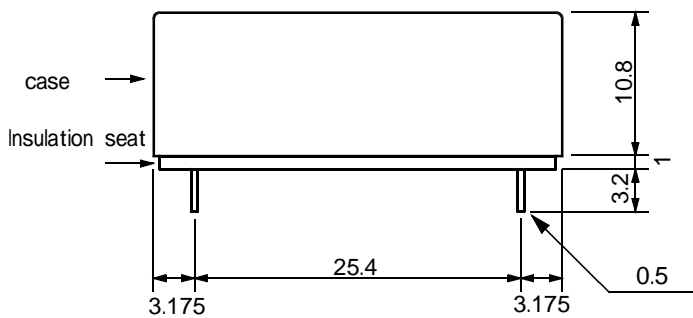
Series name  
 Output wattage  
 Output(Single/Double)  
 S:Single D:Double  
 Output voltage  
 Input voltage  
 (CR3S05-05,CR3S05-12,)  
 (CR3S15-12)

## Dimensions



Units :mm  
 Tolerances : ±0.5

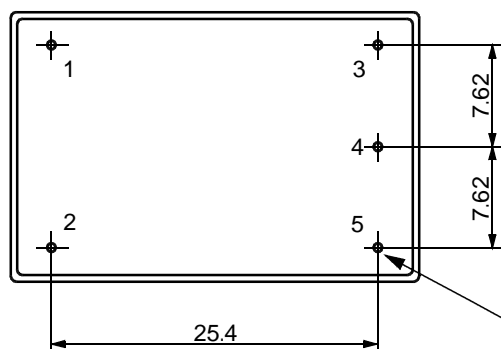
material  
 Label:PET  
 Case:Brass black laser tone painting  
 Insulation seat:CEM-3 1.6t  
 Pin : 0.5 Brass gold plating  
 Mold :Silicone rubber mold



### Terminal connection

- 1 : +Vin
- 2 : -Vin
- 3 : +Vout
- 4 : COM.
- 5 : -Vout

(There are no 5 pins in CR3S\*\*-\*\* (single output) in case of.)



There is no indication of the terminal number.

There are no terminals in CR3S\*\*-\*\* in case of.