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Resistors And Resistive Applications

# CN15 15 mm CERMET PRESET POTENTIOMETERS

## **Description**

The CN-15 series are manufactured as a thick film resistance track layer on ceramic substrate. The CN-15 preset series potentiometers are linear. The terminals, a and c (see Fig. 1) are the end terminals; b is the central terminal connected to the slider. All terminals are applicable to a PCB.

### **Applications**

These potentiometers are designed for preset resistance control with provision for re-adjustments. They are particularly suitable fore use in professional and/or in those applications where stability is important.

#### **Quick Reference Data**

Parameters		Value	
Nominal Resistance R <sub>N</sub>		According E6 series (1 - 1, 5 - 2, 2 - 3, 3 - 4, 7 - 6, 8 - 10 etc.)	
Resistance range: A (linear)	(ohms)	100 ÷ 4,7M	
Tolerance of resistance	(%)	±20% R <sub>N</sub> less or equal to 680kohms ±30% R <sub>N</sub> greater than 680kohms	
Maximum power dissipation $P_N$ at $T = 70^{\circ}C$ :	(W)	1,0	
Maximum working voltage:	(V)	250	
Maximum power dissipation P <sub>N</sub> at T= 100°C		50% P <sub>N</sub>	
Temperature Coefficient of Resistance	(TCR)	± 300 x 10 <sup>-6</sup> /°K	
Climatic category		55/125/56	

#### Marking

Then potentiometers are marked on a case: Resistance; date of manufacturing.

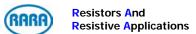
#### **Ordering example:**

In order please specify according example: preset cermet potentiometer diameter 15mm; vertical, nominal resistance 47kohms:

#### Potentiometer CN-15.2 - 47kohms

#### Packing:

The potentiometers can be supplied in bulk packing in plastic bags and in a carton box.



# **Types - general specification:**

Type of potentiometer	Kind of mounting	Pins spacing first-end x slide	Control Method (tool)
CN 15.1	horizontal	10 x 15	screwdriver
CN 15.2	vertical	10 x 5	screwdriver

# **Outline view (dimensions) of potentiometers:**

