

PC Quick Connect

Vishay Huntington

Wirewound Resistors, Commercial High Power, Quick Connect Terminals



FEATURES

• Can be purchased with or without brackets installed ("BKT" SPECIAL)



ROHS COMPLIANT

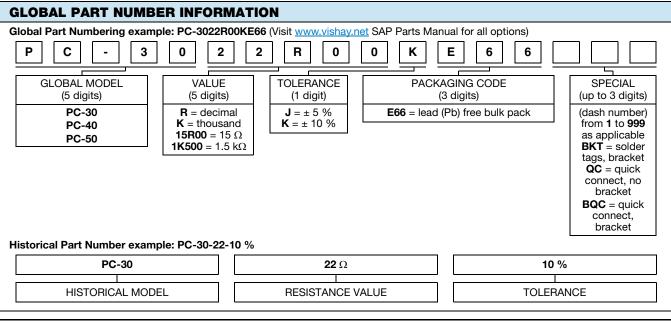
HALOGEN

FREE

- Solder tag terminals are standard, quick connect terminals available
- High power ratings
- Special inorganic potting compound and ceramic case provide high thermal conductivity in a fireproof package
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

STANDARD ELECTRICAL SPECIFICATIONS						
GLOBAL MODEL	POWER RATING P _{40 °C} W	$\begin{array}{c} \textbf{RESISTANCE RANGE}\\ \Omega \end{array}$	TOLERANCE ± %	WEIGHT (typical) g		
PC-30	30	1 to 2K	5, 10	45		
PC-40	40	1 to 2K	5, 10	75		
PC-50	50	1 to 2K	5, 10	75		

TECHNICAL SPECIFICATIONS					
PARAMETER	UNIT	PC QUICK CONNECT CHARACTERISTICS			
Temperature Coefficient	ppm/°C	± 300			
Short Time Overload	-	10 x rated power for 5 s			
Operating Temperature Range	°C	-55 to +275			
Dielectric Withstanding Voltage	V _{AC}	1000			
Maximum Continuous Working Voltage	V	(P x R) ^{1/2}			



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1 For technical questions, contact: <u>ww2aresistors@vishay.com</u> Document Number: 31826

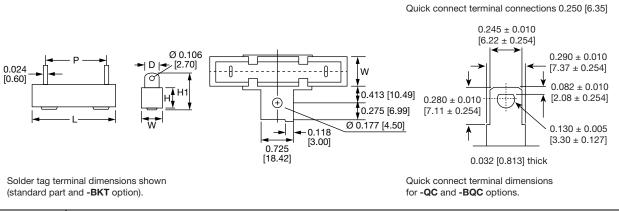
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DIMENSIONS in inches [millimeters]



GLOBAL	DIMENSIONS in inches [millimeters]						
MODEL	W ± 0.050 [1.27]	H ± 0.050 [1.27]	L ± 0.079 [2.00]	H ₁ ± 0.125 [3.18]	P ± 0.079 [2.00]	D ± 0.02 [0.50]	
PC-30	0.75 [19.00]	0.75 [19.00]	2.95 [75.00]	1.14 [28.96]	2.17 [55.00]	0.30 [7.50]	
PC-40	0.75 [19.00]	0.75 [19.00]	3.54 [90.00]	1.14 [28.96]	2.64 [67.00]	0.30 [7.50]	
PC-50	0.75 [19.00]	0.75 [19.00]	3.54 [90.00]	1.14 [28.96]	2.64 [67.00]	0.30 [7.50]	

MATERIAL SPECIFICATIONS

Element: copper-nickel alloy or nickel-chrome alloy, depending on resistance value

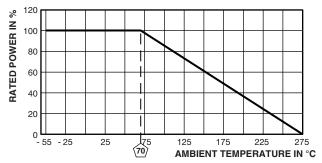
Core: high purity grade alumina ceramic rod

Body: steatite ceramic case with inorganic potting compound

Terminals: 100 % tin

Part Marking: HEI, model, wattage, value, tolerance, date code

DERATING



PERFORMANCE				
TEST	CONDITIONS OF TEST	TEST LIMITS		
Short Time Overload	10 x rated power for 5 s	± 2 % ∆R		
Load Life	1000 h at rated power, +70 °C, 1.5 h "ON", 0.5 h "OFF"	± 5 % ∆R		
Temperature Cycle	-30 °C; ~85 °C for 5 cycles	± 1 % ∆R		



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