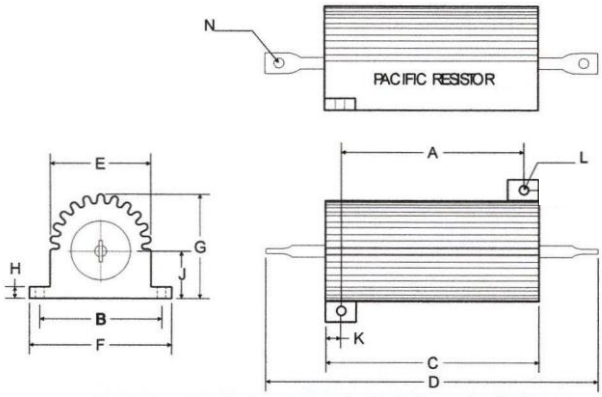
Type CH / MIL-PRF-18546

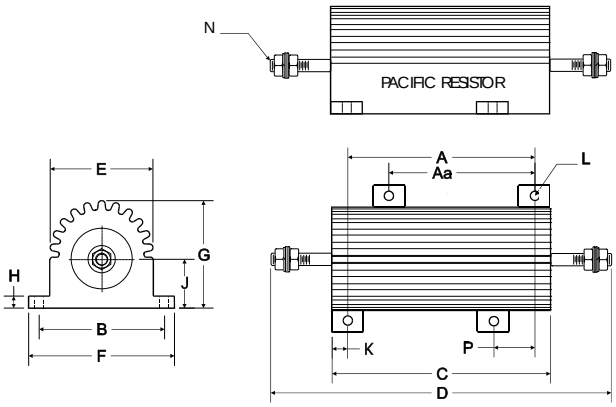
Type CH Chassis Mount Resistors - Style 5 to 250 Watts

Pacific Resistor Company

- **HIGH POWER DENSITIES**
- **OUTSTANDING STABILITY & RELIABILITY**
- **ABLE TO OPERATE IN EXTREME TEMPS**
- **MIL QUALIFIED - ALL WELDED**
- **RoHS & NON INDUCTIVE STYLES AVAILABLE**
- **HIGH STABILITY & RELIABILITY**
- **EXTREME IMPULSE TOLERANCE**
- **FAST DELIVERY ON ANY VALUE**



5CH, 10CH, 25CH, 50CH, 100CH



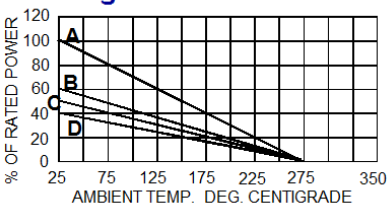
110CH, 180CH, 250CH*

TYPE CH & BCH - Chassis Mount

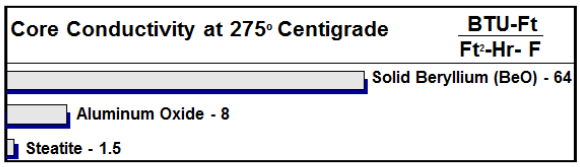
PACIFIC STYLE	MIL -R 18546	COM. WATTS	MAX. RES.	A ± 0.1	Aa ± 0.1	B ± 0.1	C ± .062	D ± .062	E ± .062	F ± .031	G ± .031	H ± .031	J ± .062	K ± .031	L ± .005	N ± .005	P	Mtg. Screw
5CH	RE60	5	20K	0.444	*	0.49	0.6	1.125	0.334	0.646	0.317	0.075	0.145	0.078	0.093	0.05	*	2-#2
B5CH	RE60	15	20K	0.444	*	0.49	0.6	1.125	0.334	0.646	0.317	0.075	0.145	0.078	0.093	0.05	*	2-#2
10CH	RE65	10	30K	0.562	*	0.625	0.75	1.375	0.438	0.812	0.406	0.1	0.203	0.093	0.093	0.086	*	2-#2
B10CH	RE65	20	30K	0.562	*	0.625	0.75	1.375	0.438	0.812	0.406	0.1	0.203	0.093	0.093	0.086	*	2-#2
25CH	RE70	25	75K	0.719	*	0.781	1.062	1.938	0.5	1.094	0.563	0.094	0.281	0.171	0.125	0.086	*	2-#2
B25CH	RE70	35	75K	0.719	*	0.781	1.062	1.938	0.5	1.094	0.563	0.094	0.281	0.171	0.125	0.086	*	2-#2
50CH	RE75	50	200K	1.562	*	0.844	1.968	2.781	0.594	1.156	0.625	0.094	0.312	0.203	0.125	0.086	*	2-#4
100CH	-	70	275K	2.625	*	0.844	2.968	3.781	0.594	1.156	0.625	0.094	0.312	0.203	0.125	0.086	*	2-#4
110CH	RE77	100	50K	2.75	*	2.25	3.5	5.478	1.8	2.813	1.75	0.188	0.8	0.375	0.188	12-24	*	2-#8
180CH	-	180	50K	2.75	*	2.5	3.5	5.478	2.125	3	2.188	0.25	0.95	0.375	0.188	12-24	*	2-#8
250CH	RE80	250	50K	3.875	3	2.5	4.5	7	2.125	3	2.188	0.25	1	0.312	0.188	1/4-20	0.875	4-#8

*4 mounting tabs on 250CH only

Derating Curves



Derating is required for reduced chassis mounting area and high ambient temps.
A - When Mounted on proper alum. chassis
5CH,B5CH,10CH,B10CH - 4x6x2x.040 alum.
25CH,B25CH - 5x7x2x.040 alum. chassis
50CH,100CH - 12x12x.059 alum. panel
110CH,180CH,250CH - 12x12x.125 alum. panel
B - Unmounted 5CH, B5CH, 10CH, B10CH
C - Unmounted 25CH, B25CH, 100CH, 110CH
D - Unmounted 50CH, 180CH, 250CH



Part Number Information:

	Inductive	*Non-Inductive*
(Sample part numbers)	**5CH - 15.4 - 1% - 5W**	**5CHN - 15.4 - 1% - 5W**
(RoHS sample part numbers)	**5CHE - 15.4 - 1% - 5W**	**5CHEN - 15.4 - 1% - 5W**

Style
Resistance Value (ohms)
Tolerance
Watts

Type BCH - Exceptional Power to Size Ratio
15 to 35 Watts
Solid Beryllium Core

Pacific Resistor Company 18300 Oxnard Street Tarzana CA 91356 Phone: (800) 835-3355 Fax: (818) 345-7811
http://www.pacificresistor.com - sales@pacificresistor.com

Pacific's Chassis Mount Type CH & BCH Resistors are designed for maximum heat dissipation by mounting to metal chassis surfaces for maximum heat transfer. They are available with standard winding as well as non-inductively wound (specified by simply adding the "N" suffix to the style) . These resistors are Mil Qualified, feature SUPERB RELIABILITY , LONG LOAD LIFE STABILITY and are outstanding in their high power dissipation with precision tolerances in minimum physical sizes. Type CH & BCH resistors meet and exceed MIL- R-18546. Their all welded construction results in reliable performance even under the most demanding of conditions and the harshest of environments. Pacific makes it's resistors in America under **Approved** Mil-Spec Quality Control conditions. Resistors are available in any resistance value up to the maximum listed.

Electrical

- **Non Inductive Styles Available**
- **RoHS compliant Styles Available**
- **Matched Sets Available**
- **Special TC's Available**
- **Tolerances:** 5%, 3%, 1%, .5%, .25%, .1%, .05%, .02%
- **Temperature Coefficient**:
  90 PPM < 1 OHM
  50 PPM < 10 OHM
  20 PPM > 10 OHM
- **Dielectric Strength:** 1000 VRMS - 5CH, 10CH, B5CH, B10CH
  2500 VRMS - 25CH, 50CH, 100CH, B25CH
  5500 VRMS - ALL OTHERS
- **Insulation Resistance:** not < 1000 Meg
- **Short Term Overload:** 5 seconds at 10 times rated power for 4 watt size & over. 5 seconds at 5 times rated power for sizes under 4 watts. Mil-R-18546

Mechanical

- **Body:** Anodized - Aluminum Finned
- **Core:** Type A-Ceramic
- **End Caps:** Stainless Steel
- **Leads:** Heavy Spaded Lugs - 5 to 70 Watts
  Threaded Stud Terminals 100 to 250 Watts
- **Special Leads Configurations Available**
- **Solderability:** Meets Mil-Std-202 Method 208 & ANSI/J-Std-002
- **Construction:** Completely Welded
- **Marking:** Alpha Numeric
- **Special Mechanical Configurations Available**

Specifications of the products referenced herein are subject to change without notice. Pacific Resistor Company, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Pacific Resistor Company terms and conditions of sale for such products, Pacific Resistor Company assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Pacific Resistor Company products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products referenced herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Pacific Resistor Company for any damages resulting from such improper use or sale.