Corrib® resistors are ideal for applications involving high currents at very low resistance values—as low as 0.1Ω for the 300 Watt unit. These large, heavy-duty resistors are designed to withstand frequent start-stop cycles characteristic of motor starting, dynamic braking and other similar applications. Special order units are available to accommodate up to 1500 watts.

Corribs® are manufactured with corrugated resistive wire. To accelerate cooling, the wire is securely fused to the ceramic core by the protective vitreous enamel coating to improve durability. Corrib resistors are hollow-core units which can be securely fastened to chassis surfaces with thru bolts and brackets.

ORDERING INFO

Coating Blank = Vitreous C = Centohm S = Silicone **RoHS Compliant** С **300KR10E** Wattage Tolerance Ohms 10% *example:* 1R0 = 1 Ω 250 = 250 Ω E = Adjustable $1K0 = 1,000 \Omega$ $25K = 25,000 \Omega$ $25K5 = 25.500 \Omega$

Wattage & Core Code

See "Core and

Terminal Selection"

Series 280 = Fixed

230 = Adjustable

FEATURES

- · Also available in low cost Centohm or Silicone coating. Consult Ohmite.
- · Ribbed construction aids in rapid cooling.
- · Designed for equipment requiring low resistance loads at low ohmic values and high current capacity.
- Especially constructed for motor starting, dynamic braking, etc.
- · RoHS compliant product available. Add "E" suffix to part number to specify.

S P E C I F I C A T I O N S Material

- Coating: Lead free vitreous enamel except for extreme low resistance 35 watt models, and very large models (750 watts and up), which are supplied in Silicone Ceramic.
- Core: Tubular Ceramic.
- Terminals: Tinned lug with hole. RoHS solder composition is 96% Sn, 3.5% Ag, 0.5% Cu
 - Adjustable Lug: Supplied with adjustable 300 watt models. Part No. 1974-A or 1974-B.

Electrical

Terminal Type

See "Resistor

Terminals for

Tubular Cores"

Tolerance: ±10% (K) Power rating: Based on 25°C free air rating. Derating: Linearly from 100% @ +25°C to 0% @ +400°C.



280 Series

Corrib® Fixed and Adjustable Vitreous Enamel Power



Fixed/Adjustable

Fixed



* for values over 0.16Ω , terminal dimensions same as 35 watt at above.

Overload: 10 times rated wattage for 5 seconds.

Temperature coefficient: ±400 ppm/°C.

Dielectric withstanding voltage: 1000 VAC measured from terminal to mounting bracket.

To calculate max. amps: use the formula √P/R

RESISTOR HARDWARE

Thru Bolts Mounting Brackets for 300 Watt Corrib

Includes 2 each bracket, bolt, washers (centering, mica, lock) and nut. Note: Single unit mounting contains 1 each bolt and nut; 2 each all Washers.

Pa Slotted	No. of Res- istors	Moun. Derat. %		
6110-8 ¹ /2	6126-P-8 ¹ /2	1	100%	
-	6127-P-8 ¹ /2	2	83%	
-	6128-P-8 ¹ /2	3	80%	
-	6129-P-8 ¹ /2	4	80%	

Lugs for 300 Watt Adjustable Corrib

Part	Resis-	Part	Resis-
No.	tance	No.	tance
1974-A ¹ / ₁₆ wire	0.40 0.50 1.00 1.50 2.50 3.10 4.00 5.00 4.00 5.00 6.30 10.00 12.00 25.00 30.00 50.00 30.00 50.00 50.00 30.00 50.	1974-B ¹ / ₈ wire	0.10 0.12 0.16 0.20 0.25 0.31 0.80 1.20

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STANDARD PART NUMBERS FOR 280 SERIES

 $R2000 = 0.2 \Omega$

 $2B500 = 2.5 \Omega$

10R00 = 10 Ω

 $R0200 = 0.02 \Omega H = 3\%$

	Watt	age	Wattage		Other Available Sizes (Partial List)							
Part No.		300 ble)	Part No	35	300		Prefix*	Wattage	Core Length	Core 0.D.	Min. Ohms	Max. Ohms
Prefix ►	- A	0K- usta	Prefix >	• ¥	S	0K- usta	C90	90	4.0"	0.563"	0.021	12
E Suffix ¥	C35 C30	E30 (Adj	E Suffix ¥	C35	C30	E30 (Adj	C100	100	3.5"	0.75"	0.021	11
0.02 B02E			0.8)F		~	C110	110	5.0"	0.563"	0.029	16
0.02 R02E			1.0)F	~	~	C135	135	6.0"	0.563"	0.028	21
0.06			1.0 III	PF	~	•	C150	150	5.0"	1.0"	0.043	27
0.08			1.25 — 1B3	 25F	•		C160	160	6.0"	0.75"	0.038	26
0.1	~	~	1.6	SF	~	~	C180	180	6.5"	0.75"	0.031	29
0.12	~	~	2.0 -2B)F	~	~	C190	190	6.0"	1.0"	0.056	35
0 15	·	•	2.5 -2B	5F	v	~	C215	215	7.0"	1.0"	0.068	43
0.16		~	3.1	IF	~	~	C220	220	6.0"	1.125"	0.063	39
0.2	~	~	4.0 -4B)F	~	~	C270	270	5.0"	1.5"	0.065	41
0.25 - B25E	~	~	5.0 -5B)F	~	~	C375	375	10.5"	1.125"	0.130	80
0.3		•	6.3 6B	3F	v	v	C500	500	10.5"	1.625"	0.190	117
0.31 — B31E	~	~	8.0 -8B)F	~	~	C750	750	12.0"	2.5"	0.310	198
0.4 — B40F	~	~	10.0	RF	~	~	C1000	1000	15.0"	2.5"	0.410	258
0.5 — R50E	, v	~	12.0 -12	 ?F	~	~	C1500	1500	20.0"	2.5"	0.560	358
0.6 — R60E	•	-	16.0 -16	RE	v	V	*Substi	tute "C" in	🖌 = Sta	andard valu	es: checl	<pre>c availabili</pre>
0.63	~	~	20.0 -20F	RE	V	V	prefix w	ith "E" for	us	ing the wor	ldwide in	ventory
	·		100.0	E	,		adjustat	ole version	s. se	arch at www	v.ohmite	.com

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MADE-TO-ORDER PARTS 280300P4512R00K Т Tolerance Ohms Example

J = 5% K = 10% (std.)



