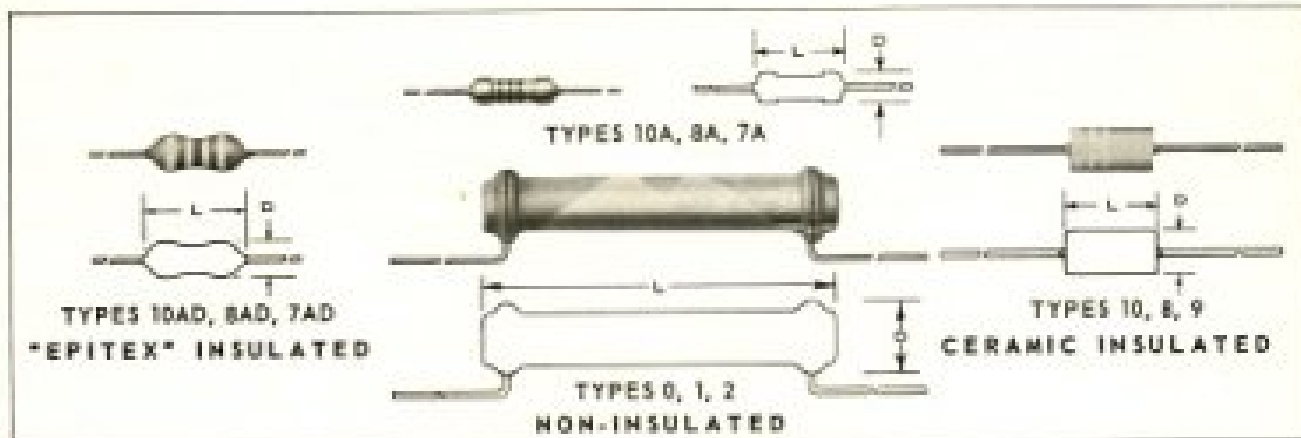


# ERIE SOLID CARBON RESISTORS

## STANDARD RANGE



## SPECIFICATION

TYPE	NOMINAL WATTAGE RATING*		MAXIMUM PEAK VOLTS d.c.†	R.C.S.C. STYLE	R.C.S.C. TYPE APPROVAL CERT.	MAXIMUM DIMENSIONS		TERMINATIONS	
	at 40°C	at 70°C				L	D	Length (min.)	Dia.
NON-INSULATED									
0	5	2.5	1500	RCS-E	363/6	2.535" (64.13mm)	0.690" (17.53mm)	1.500" (38.10mm)	0.040" (1.02mm)
1	3	2	1000	RCS-F	364/7	2.025" (51.44mm)	0.500" (12.70mm)	1.500" (38.10mm)	0.040" (1.02mm)
2	2	1	1000	RCS-D	365/7	1.770" (44.96mm)	0.370" (9.39mm)	1.500" (38.10mm)	0.040" (1.02mm)
10A	2	1	1000			1.175" (29.83mm)	0.305" (7.75mm)	1.500" (38.10mm)	0.040" (1.02mm)
8A	1	0.5	1000			0.750" (17.78mm)	0.160" (4.06mm)	1.500" (38.10mm)	0.032" (0.81mm)
7A	0.5	0.25	700			0.450" (11.43mm)	0.160" (4.06mm)	1.500" (38.10mm)	0.032" (0.81mm)
"EPITEX" INSULATED									
10AD	2	1	1000		1350/2*	1.185" (30.09mm)	0.330" (8.38mm)	1.500" (38.10mm)	0.040" (1.02mm)
8AD	1	0.5	1000			0.750" (19.05mm)	0.167" (5mm)	1.500" (38.10mm)	0.032" (0.81mm)
7AD	0.5	0.25	700		1054/1*	0.500" (12.70mm)	0.187" (4.75mm)	1.500" (38.10mm)	0.032" (0.81mm)
CERAMIC INSULATED									
10	2	1	1000	RC7-L	968/2	1.185" (30.09mm)	0.455" (11.56mm)	1.500" (38.10mm)	0.040" (1.02mm)
8	1	0.5	1000	RC7-H	366/8	0.710" (18.03mm)	0.245" (6.22mm)	1.500" (38.10mm)	0.032" (0.81mm)
9	0.5	0.25	700	RC7-J	367/8	0.460" (11.68mm)	0.225" (5.72mm)	1.500" (38.10mm)	0.032" (0.81mm)

\*Assuming voltage limit not exceeded. †Assuming wattage rating not exceeded.  
 \*Types 7AD and 10AD have a Quality Approval only, because they are of sizes as yet non-standard to RCL.112.

**GENERAL:** ERIE Solid Carbon Resistors have unusually uniform characteristics and balanced performance, and all types conform with R.C.S.C. specification RCS.112 for Grade II resistors. Additionally, types 8, 9 and 10 conform with Post Office drawing CD.1387 and with Post Office specification D.2044, to which they are fully approved as Resistors, Carbon, 26PC, 26GC and 26DC respectively.

**RESISTANCE RANGE AND TOLERANCE:** Within the standard resistance range of 10 ohms to 12 meg-

ohms, all types are available in the standard tolerances of  $\pm 5\%$ ,  $\pm 10\%$  and  $\pm 20\%$ .

Values below 10 ohms can be supplied in the following types:

0, 1, 2, 10AD, 8AD, 7AD, 10, 8 and 9 for which the closest effective tolerance available is  $\pm 0.5$  ohm.

Values above 12 megohms can only be supplied according to availability, or in circumstances where the quantity involved is sufficient to justify the extra cost of special manufacture.

*continued overleaf*

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# ERIE RESISTOR LIMITED

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For printed circuits, we strongly recommend ERIE pluggable resistors, full details of which are available on request. Alternatively, all types can be supplied with cut and preformed terminations.