

**Sea & Land Integrated Corp.**

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**Techfuse**  
**PTC Devices**  
Resettable Fuse

PRODUCT: R16 series  
DOCUMENT: QR0429  
ECN. NO.:  
REV LETTER:  
REV DATE: 31/12/2020  
PAGE NO.: 1 of 1

# Specification Sheet

Insulating Material:

Meets UL94 V-0 Requirements

Lead-Free, RoHS Compliant

Lead Material:

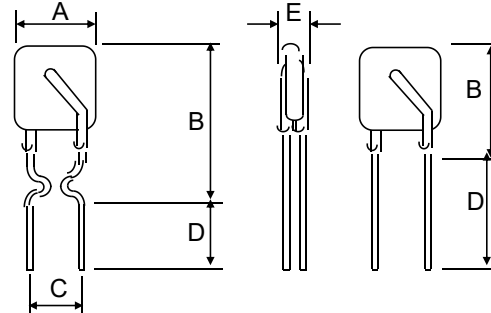
R16-090~250 : Tin Plated Copper-Clad Steel, 24 AWG (0.51mm/0.020" Dia.)

R16-300~1100 : Tin Plated Copper, 20 AWG (0.81mm/0.032" Dia.)

R16-1200~1600 : Tin Plated Copper, 18 AWG (1.0mm/0.04" Dia.)

Marking:

- Sea&Land Logo
- R16 - Radial Type 16V
- 090 - Hold Current
- XXXY - Date Code & Factory Code



Note : Stand-offs only used for R16-090 ~ R16-250

**TABLE I. DIMENSIONS: (Unit: mm/inch)**

Model Number	A Max.	B Max.	C Typ.	D Min.	E Max.
R16-090	7.40	12.20	5.10	7.60	3.0
R16-110	7.40	14.20	5.10	7.60	3.0
R16-135	8.90	13.50	5.10	7.60	3.0
R16-160	8.90	15.20	5.10	7.60	3.0
R16-185	10.20	15.70	5.10	7.60	3.0
R16-250	10.40	14.30	5.10	7.60	3.0
R16-300	7.10	11.00	5.10	7.60	3.0
R16-400	8.90	15.20	5.10	7.60	3.0
R16-500	10.20	15.70	5.10	7.60	3.0
R16-600	11.40	18.30	5.10	7.60	3.0
R16-700	12.70	19.70	5.10	7.60	3.0
R16-800	14.00	20.10	5.10	7.60	3.0
R16-900	14.00	24.90	5.10	7.60	3.0
R16-1000	16.50	24.90	5.10	7.60	3.0
R16-1100	16.50	24.90	5.10	7.60	3.0
R16-1200	19.10	26.70	10.20	7.60	3.5
R16-1300	23.50	27.90	10.20	7.60	3.5
R16-1400	23.50	27.90	10.20	7.60	3.5
R16-1500	24.10	28.70	10.20	7.60	3.5
R16-1600	24.10	28.70	10.20	7.60	3.5

**TABLE II. PERFORMANCE RATINGS:**

Model Number	V <sub>max</sub> (Vdc)	I <sub>max</sub> (A)	I <sub>hold</sub> @23°C (A)	I <sub>trip</sub> @23°C (A)	P <sub>d</sub> Max. (W)	Maximum Time To Trip		Resistance		
						Current (A)	Time (Sec)	Ri min (Ω)	Ri max (Ω)	R1 max (Ω)
R16-090	16	40	0.90	1.80	0.60	8.00	1.2	0.070	0.1200	0.180
R16-110	16	40	1.10	2.20	0.70	8.00	2.3	0.050	0.0950	0.140
R16-135	16	40	1.35	2.70	0.80	8.00	4.5	0.040	0.0740	0.120
R16-160	16	40	1.60	3.20	0.90	8.00	9.0	0.030	0.0610	0.110
R16-185	16	40	1.85	3.70	1.00	8.00	10.0	0.030	0.0510	0.090
R16-250	16	100	2.50	5.00	1.20	12.50	5.0	0.020	0.0350	0.060
R16-300	16	100	3.00	5.10	2.30	15.00	1.0	0.034	0.0650	0.105
R16-400	16	100	4.00	6.80	2.40	20.00	1.7	0.020	0.0390	0.063
R16-500	16	100	5.00	8.50	2.60	25.00	2.0	0.014	0.0230	0.044
R16-600	16	100	6.00	10.20	2.80	30.00	3.3	0.009	0.0190	0.030
R16-700	16	100	7.00	11.90	3.00	35.00	3.5	0.006	0.0130	0.021
R16-800	16	100	8.00	13.60	3.00	40.00	5.0	0.005	0.0110	0.018
R16-900	16	100	9.00	15.30	3.30	45.00	5.5	0.004	0.0092	0.015
R16-1000	16	100	10.00	17.00	3.60	50.00	6.0	0.003	0.0071	0.012
R16-1100	16	100	11.00	18.70	3.70	55.00	7.0	0.003	0.0062	0.010
R16-1200	16	100	12.00	20.40	4.20	60.00	7.5	0.0026	0.0060	0.009
R16-1300	16	100	13.00	23.00	4.40	65.00	8.5	0.0026	0.0060	0.009
R16-1400	16	100	14.00	23.80	4.60	70.00	9.0	0.0026	0.0045	0.008
R16-1500	16	100	15.00	25.50	4.80	75.00	9.5	0.0026	0.0045	0.008
R16-1600	16	100	16.00	27.20	4.80	80.00	10.0	0.0026	0.0045	0.008