

SWT/EWT Series

Non-Flammable Edgewound Tubular Wirewound Resistor

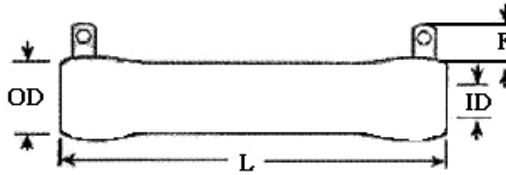
Stackpole Electronics, Inc.

Resistive Product Solutions

- Features:
- High current capability
 - RoHS compliant / lead-free
 - Non-inductive style only available with silicone coating (NSWT)
 - Suitable for soldering or thru bolt connections
 - Wirewound ribbon on ceramic substrate
 - SWT – Silicone coating provides temperature handling up to 350°C
 - SWTA – Adjustable version
 - EWT – Vitreous enamel coating provides temperature handling up to 500°C



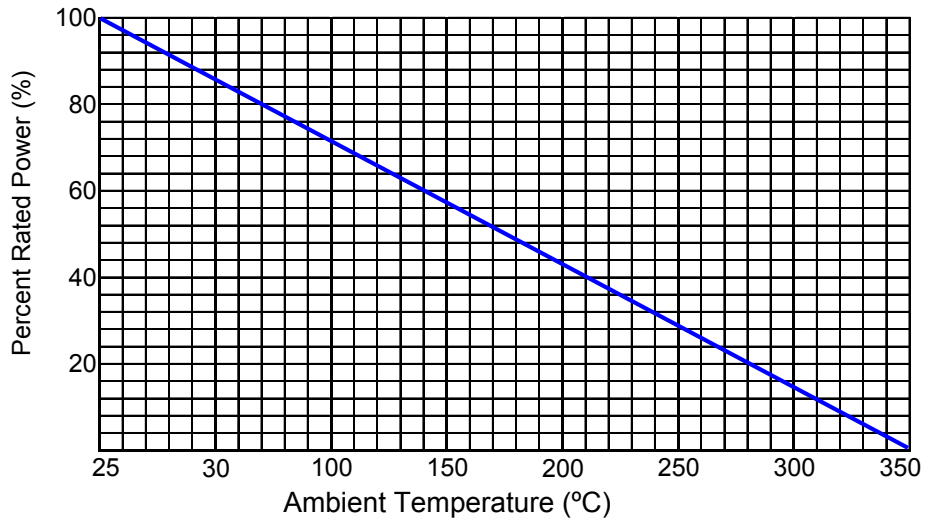
Electrical Specifications					
Type / Code	Power Rating (Watts) @ 70°C	Dielectric Strength VAC	Ohmic Range (Ω) and Tolerance 5% and 10%		
			SWT	NSWT	EWT
SWT 12 / EWT 12	12W	1,000	0.1 - 51K	0.1 - 53	0.1 - 5K
SWT 25 / EWT 25	25W	2,500	1 - 30K	0.1 - 100	0.1 - 10K
SWT 50 / EWT 50	50W	2,500	0.1 - 50K	0.1 - 275	0.1 - 20K
SWT 100 / EWT 100	100W	2,500	0.1 - 100K	0.12 - 680	0.1 - 50K
SWT 150 / EWT 150	150W	2,500	0.1 - 150K	0.22 - 1.5K	0.1 - 80K
SWT 175 / EWT 175	175W	2,500	0.15 - 100K	0.24 - 1.3K	0.1 - 100K
SWT 200 / EWT 200	200W	2,500	0.1 - 200K	0.25 - 1.35K	0.1 - 120K
SWT 225 / EWT 225	225W	2,500	0.2 - 130K	0.3 - 1.7K	0.12 - 130K
SWT 250 / EWT 250	250W	2,500	0.5 - 250K	0.33 - 1.8K	0.5 - 200K
SWT 300 / EWT 300	300W	2,500	0.5 - 300K	0.42 - 2.25K	0.5 - 240K
SWT 400 / EWT 400	400W	2,500	0.5 - 400K	0.54 - 3K	0.5 - 300K
SWT 500 / EWT 500	500W	2,500	0.5 - 500K	0.77 - 4.2K	0.5 - 400K
SWT 700 / EWT 700	700W	2,500	1 - 600K	1 - 5.3K	1 - 500K
SWT 1000 / EWT 1000	1000W	2,500	1 - 1M	1.4 - 7.6K	1 - 750K
SWT 1300 / EWT 1300	1300W	2,500	1 - 1.3M	2 - 10K	1 - 1M



Mechanical Specifications					
Type / Code(1)	OD	ID	F	L	Units
SWT 12 / EWT 12	0.31 ± 0.04	0.188 ± 0.04	0.47 ± 0.04	1.75 ± 0.08	inches
	7.94 ± 1.0	4.76 ± 1.0	12.0 ± 1.0	44.5 ± 2.0	mm
SWT 25 / EWT 25	0.56 ± 0.04	0.31 ± 0.04	0.47 ± 0.04	2.00 ± 0.08	inches
	14.3 ± 1.0	7.94 ± 1.0	12.0 ± 1.0	51.0 ± 2.0	mm
SWT 50 / EWT 50	0.56 ± 0.04	0.31 ± 0.04	0.75 ± 0.04	4.00 ± 0.08	inches
	14.3 ± 1.0	7.94 ± 1.0	19.0 ± 1.0	102.0 ± 2.0	mm
SWT 100 / EWT 100	0.75 ± 0.04	0.5 ± 0.04	0.67 ± 0.04	6.5 ± 0.08	inches
	19.1 ± 1.0	12.7 ± 1.0	17.0 ± 1.0	165.0 ± 2.0	mm
SWT 150 / EWT 150	1.1 ± 0.04	0.75 ± 0.04	0.67 ± 0.04	7.11 ± 0.08	inches
	28.0 ± 1.0	19.1 ± 1.0	17.0 ± 1.0	206.0 ± 2.0	mm
SWT 175 / EWT 175	1.13 ± 0.04	0.75 ± 0.04	0.67 ± 0.04	8.5 ± 0.08	inches
	28.6 ± 1.0	19.1 ± 1.0	17.0 ± 1.0	216.0 ± 2.0	mm
SWT 200 / EWT 200	1.38 ± 0.04	0.75 ± 0.04	0.67 ± 0.04	8.74 ± 0.08	inches
	35.0 ± 1.0	19.1 ± 1.0	17.0 ± 1.0	222.0 ± 2.0	mm
SWT 225 / EWT 225	1.125 ± 0.04	0.75 ± 0.04	0.71 ± 0.04	10.5 ± 0.08	inches
	28.6 ± 1.0	19.1 ± 1.0	18.0 ± 1.0	267.0 ± 2.0	mm
SWT 250 / EWT 250	1.57 ± 0.04	1.125 ± 0.04	0.71 ± 0.04	8.74 ± 0.08	inches
	40 ± 1.0	28.6 ± 1.0	18.0 ± 1.0	222.0 ± 2.0	mm
SWT 300 / EWT 300	1.57 ± 0.04	1.125 ± 0.04	0.71 ± 0.04	10.71 ± 0.08	inches
	40 ± 1.0	28.6 ± 1.0	18.0 ± 1.0	272.0 ± 2.0	mm
SWT 400 / EWT 400	1.57 ± 0.04	1.125 ± 0.04	0.71 ± 0.04	13.46 ± 0.08	inches
	40.0 ± 1.0	28.6 ± 1.0	18.0 ± 1.0	342.0 ± 2.0	mm
SWT 500 / EWT 500	2.5 ± 0.04	1.75 ± 0.04	1.1 ± 0.04	12 ± 0.08	inches
	63.5 ± 1.0	44.5 ± 1.0	28.0 ± 1.0	305.0 ± 2.0	mm
SWT 700 / EWT 700	1.97 ± 0.04	1.41 ± 0.04	1.1 ± 0.04	18.18 ± 0.08	inches
	50.0 ± 1.0	35.7 ± 1.0	28.0 ± 1.0	462.0 ± 2.0	mm
SWT 1000 / EWT 1000	2.50 ± 0.04	1.75 ± 0.04	1.18 ± 0.04	20 ± 0.08	inches
	63.5 ± 1.0	44.5 ± 1.0	30.0 ± 1.0	508.0 ± 2.0	mm
SWT 1300 / EWT 1300	2.56 ± 0.04	1.75 ± 0.04	1.18 ± 0.04	26.26 ± 0.08	inches
	65.0 ± 1.0	44.5 ± 1.0	30.0 ± 1.0	667.0 ± 2.0	mm

(1) EWT and NSWT series will have the same Mechanical Specifications as SWT series

Power Derating Curve:



How to Order

SEI Type		Termination		Code		Nominal Resistance	Tolerance	Packaging	
EWT		M		50		200	5%	B	
Type	Description	Code	Description	Power Rating		Tolerance		Code	Description
SWT	Silicone Coating (std)	-	Std Tab Connection	12	225	5%		B	bulk
EWT	Vitreous Enamel	M	Mounting Hardware	25	250	10%			
NSWT	Non-Inductive Silicone Coating	S	Spring Clips	50	300				
		L	Welded Straight Leads	100	400				
		A	Adjustable	150	500				
				175	700				
				200	1000				
				1300					

New Part Number Format starting January 3rd, 2011:

How to Order

1	2	3	4	5	6	7	8	9	10	11	12	
E	W	T	M	5	0	J	B	2	0	0	R	
Product Series		Code	Description	Size	Power	Tolerance		Packaging			Resistance Value	
SWT	Silicone Coating (std)	-	Std Tab Connection	12	12W	Code	Tol	Code	Description	Size	Quantity	Four characters with the multiplier used as the decimal holder. 0.1 ohm = R100 1 ohm = 1R00 10 Kohm = 10K0
EWT	Vitreous Enamel	M	Mounting Hardware	25	25W	J	5%	B	bulk	all sizes	each	
NSWT	Non-inductive Silicone Coating	S	Spring Clips	50	50W	K	10%					
		L	Welded Straight Leads	100	100W							
		A	Adjustable	150	150W							
				175	175W							
				200	200W							
				225	225W							
				250	250W							
				300	300W							
				400	400W							
				500	500W							
				700	700W							
				1000	1000W							
				1300	1300W							