



EWS/EFW - EDGE WOUND RESISTORS



SPECIFICATIONS

Model	Power Rating		Resistance Range [ohms]		Resistance Tolerance
	With Fan	In Free Air	EWS	EFW	
EWS/EFW1200	600W	400W	0.02 – 0.25	0.26 – 3.3	+5.0%(J) +10%(K)
EWS/EFW1700	1000W	600W	0.029 – 0.28	0.39 – 4.95	
EWS/EFW2300	1.3kW	800W	0.039 – 0.50	0.51 – 6.6	
EWS/EFW2800	1.6kW	1kW	0.051 – 0.63	0.64 – 8.2	
EWS/EFW3400	2kW	1.2kW	0.061 – 0.75	0.76 – 9.9	
EWS/EFW3900	2.3kW	1.4kW	0.071 – 0.88	0.89 – 11.5	
EWS/EFW4400	2.6kW	1.6kW	0.081 – 1.00	1.10 – 13.2	

RATED CURRENTS BY MODELS AND OHMIC VALUES

Resistance (ohms)							Rated Current	D #
EWS/EFW 1200	EWS/EFW 1700	EWS/EFW 2300	EWS/EFW 2800	EWS/EFW 3400	EWS/EFW 3900	EWS/EFW 4400		
0.02	0.029	0.039	0.051	0.061	0.071	0.081	140	69
0.023	0.035	0.047	0.059	0.071	0.082	0.094	130	65
0.027	0.041	0.055	0.069	0.083	0.097	0.111	120	65
0.033	0.049	0.066	0.082	0.099	0.115	0.132	110	72
0.04	0.06	0.08	0.1	0.12	0.14	0.16	100	72
0.044	0.066	0.088	0.110	0.132	0.155	0.177	95	72
0.049	0.074	0.098	0.123	0.148	0.172	0.197	90	72
0.055	0.083	0.110	0.138	0.166	0.193	0.221	85	71
0.062	0.093	0.125	0.156	0.187	0.218	0.25	80	67
0.071	0.106	0.142	0.177	0.213	0.248	0.284	75	65
0.081	0.122	0.163	0.204	0.244	0.285	0.326	70	69
0.094	0.142	0.189	0.236	0.284	0.331	0.378	65	65
0.111	0.166	0.222	0.277	0.333	0.388	0.444	60	67
0.132	0.198	0.264	0.330	0.396	0.462	0.528	55	71
0.16	0.24	0.32	0.4	0.48	0.56	0.64	50	71
0.197	0.296	0.395	0.493	0.592	0.691	0.790	45	67
0.25	0.375	0.5	0.625	0.75	0.875	1	40	67
0.326	0.489	0.653	0.816	0.979	1.142	1.306	35	67
0.444	0.666	0.888	1.111	1.333	1.555	1.777	30	65
0.64	0.96	1.28	1.6	1.92	2.24	2.56	25	61
1	1.5	2	2.5	3	3.5	4	20	55

% INCREASE IN RATED CURRENT (CR=current rating)

% ED	5%	10%	15%	40%	60%
Increased Rated Current	2.5 X CR	1.8 X CR	1.6 X CR	1.25 X CR	1.15 X CR

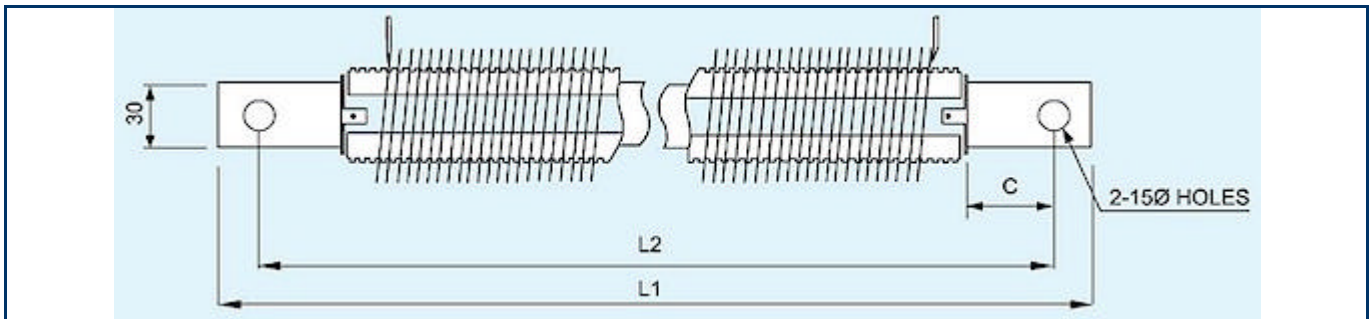
CHARACTERISTICS

Values in [] mean change in ohms after test

Temperature Range	-55C to 375C
Insulation Resistance	100Mohms min.
Dielectric Strength	AC 2000V/min.

DIMENSIONS

TYPE	DIMENSIONS (mm)		
	L1	L2	C
EWS/EWF400	240	205	18 to 23
EWS/EWF600	310	275	
EWS/EWF800	380	345	
EWS/EWF1000	450	415	
EWS/EWF1200	520	485	
EWS/EWF1400	590	555	
EWS/EWF1600	660	625	



SURFACE TEMPERATURE INCREASE VS. POWER LOAD & ORDERING PROCEDURE

EWS600	140A	0.02ohms	J
Model #	Rated Amps	Resistance	Tolerance

DERATING CURVES