

Power Divider, 8-way, 0.6-7.4 GHz, SMA Female

WM8PD-0.6-7.4-S1



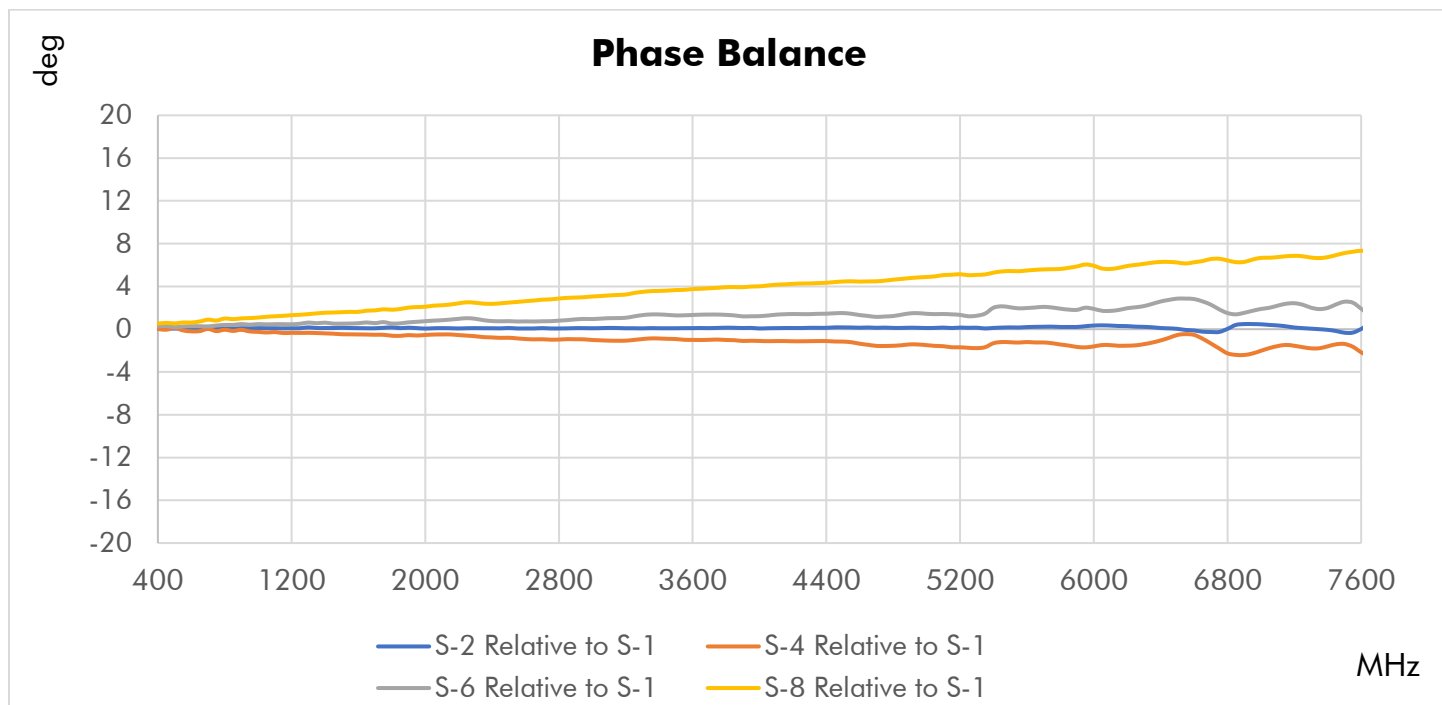
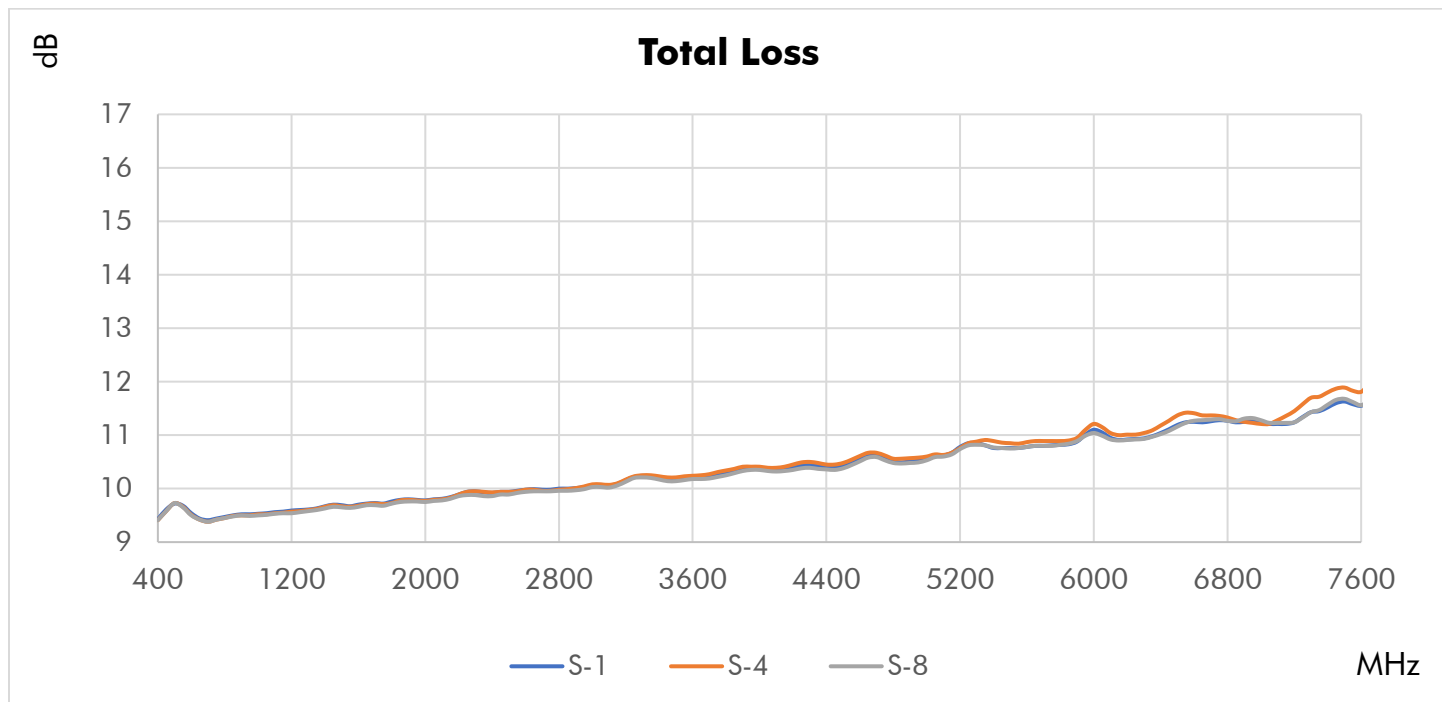
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	600	-	7400	MHz
Impedance	50			Ohm
Return Loss (Port S)	11	16		dB
Return Loss (Ports 1-8)	13	17		dB
Insertion Loss (above theoretical 9dB)		2.4	3.6	dB
Isolation	18	20		dB
Amplitude Balance		0.3	0.8	dB
Phase Balance		4	12	Degrees
Input Power (CW) ¹	30			Watts (CW)

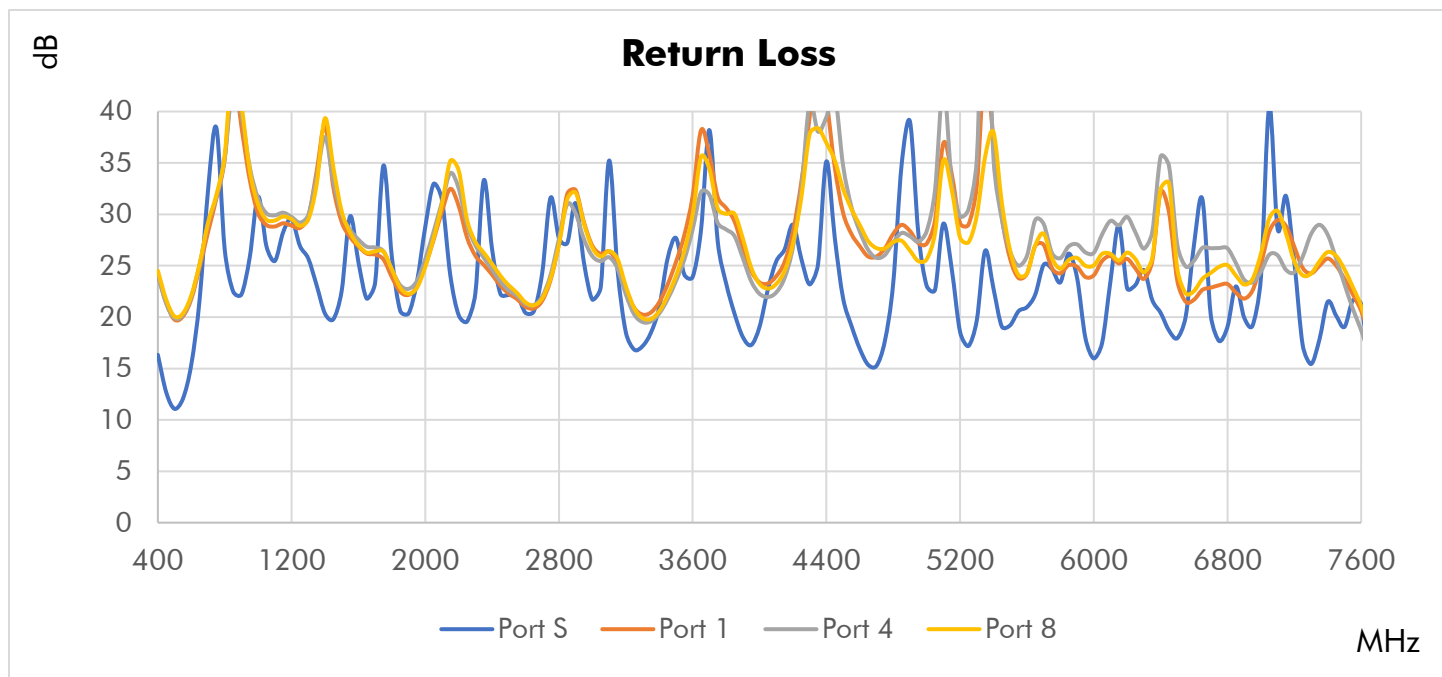
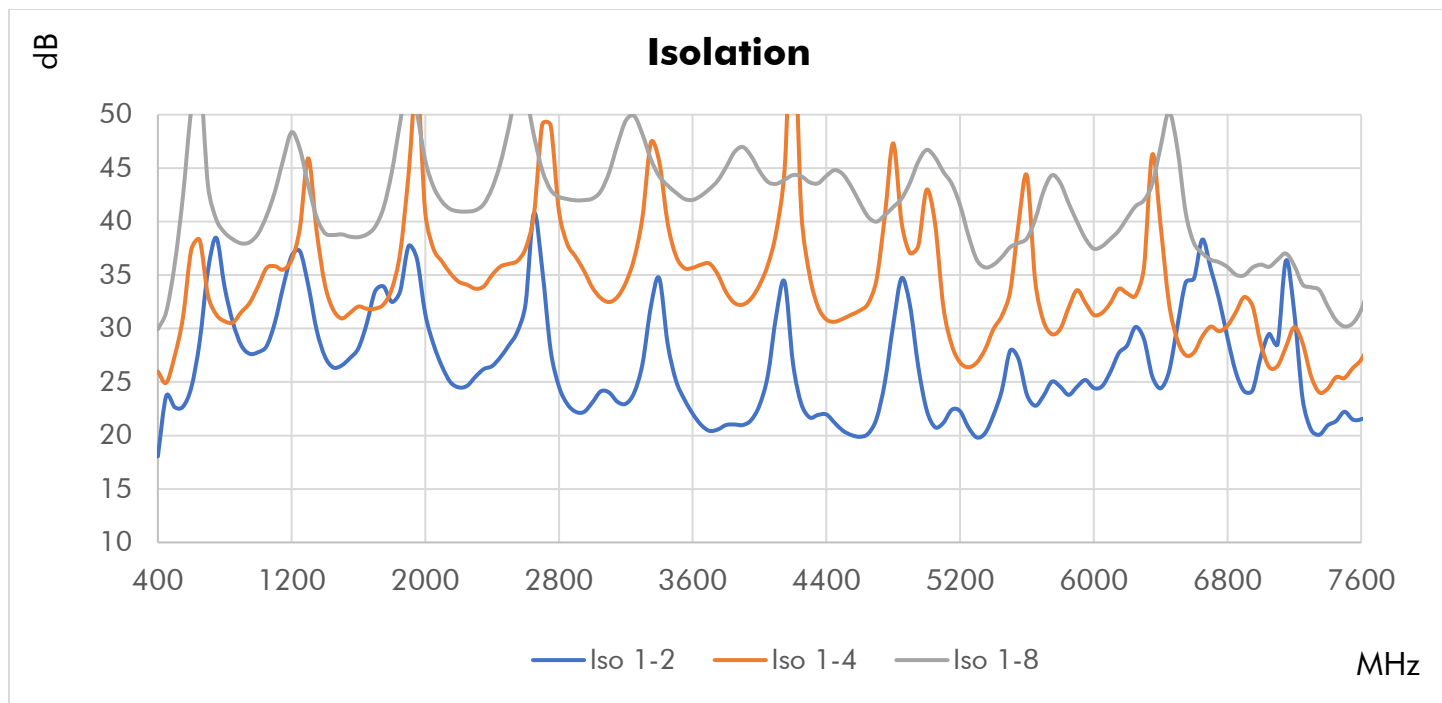
Connector Interface	SMA-Female
Operating Temperature ²	-10 to +65 °C
Storage Temperature	-55 to +100 °C
Nominal Weight	567 g (20 oz)
Operating Humidity	10-90% (non-condensing)
Operating Environment	Indoor Use Only
HTSUS Code	8548.00.0000
ECCN	EAR99

RoHS Status ³	RoHS3 Compliant
REACH Status ³	REACH Unaffected
Enclosure Material	Aluminum
Connectors Material	Stainless Steel
Contacts Material	Beryllium Copper, Gold Plated
Insulators Material	Virgin PTFE
Finish	Green Paint
Country of Origin	United States of America

1. All output ports should be terminated in a 50-ohm load with 1.2:1 max VSWR.
2. Electrical specification at +25 °C only.
3. To the best of our knowledge at the time of publication.

Typical Performance at +25 °C

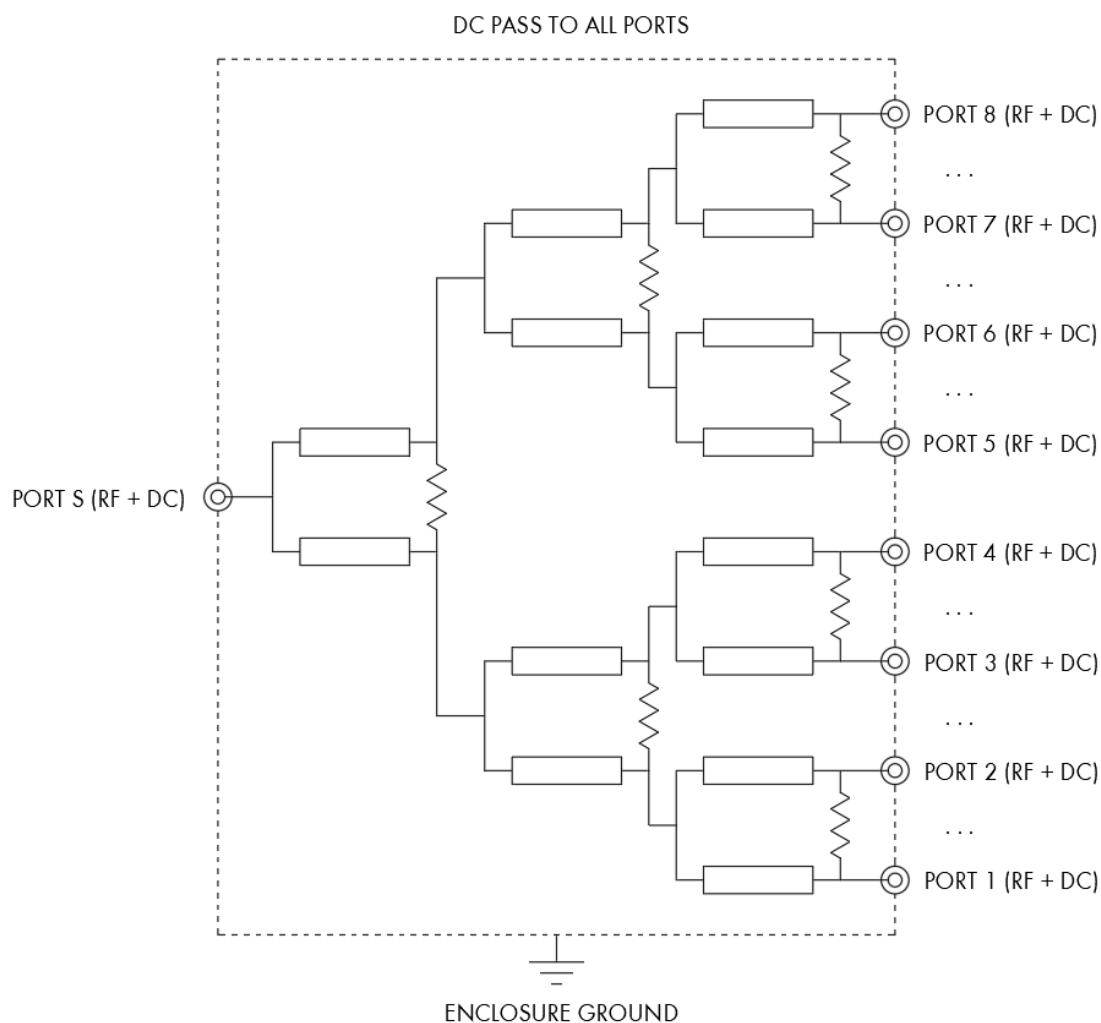




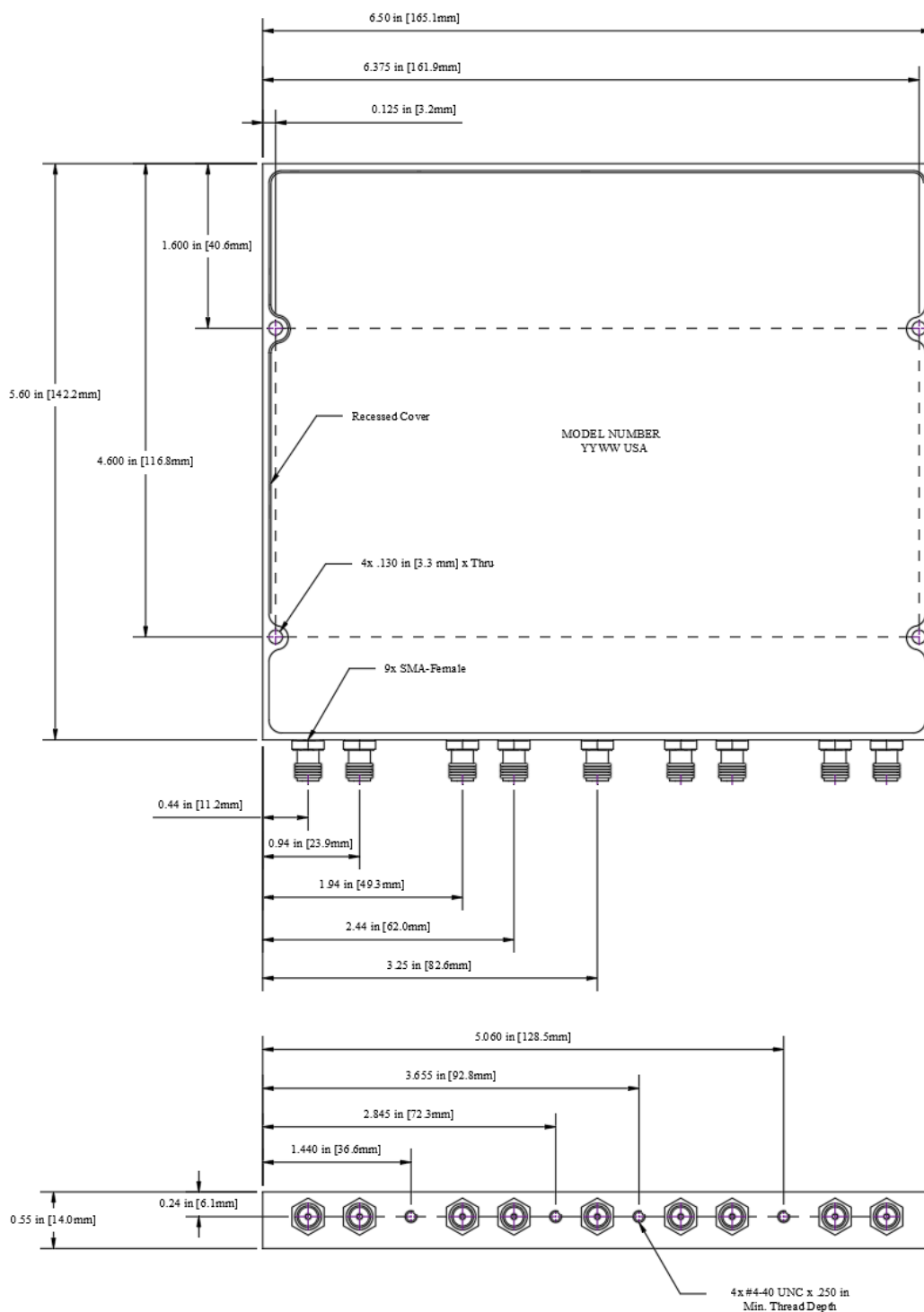
Typical Performance Data

Frequency (MHz)	Return Loss (dB)			Total Loss (dB)			Isolation (dB)		
	Port S	Port 1	Port 8	S-1	S-4	S-8	1-2	1-4	1-8
400	16.33	24.15	24.51	9.43	9.41	9.41	18.05	25.99	29.94
500	11.07	19.75	20.06	9.72	9.73	9.73	22.66	27.40	35.94
600	15.38	21.75	22.11	9.54	9.51	9.50	24.48	37.37	50.45
700	32.32	28.27	29.16	9.41	9.38	9.38	35.44	33.08	43.35
800	26.59	35.36	35.77	9.47	9.45	9.45	33.83	30.68	38.97
900	22.20	38.52	40.71	9.52	9.50	9.50	28.40	31.55	37.96
1000	31.72	30.08	30.95	9.53	9.52	9.50	27.79	33.96	38.88
1500	22.56	29.25	30.29	9.69	9.67	9.65	26.55	30.95	38.81
2000	28.78	25.02	24.88	9.78	9.77	9.75	31.37	40.83	45.72
2500	22.16	22.28	23.09	9.94	9.94	9.89	28.43	36.05	48.80
3000	21.70	26.94	26.75	10.06	10.08	10.03	23.09	33.83	42.15
3500	27.70	25.36	23.99	10.19	10.21	10.14	25.15	36.80	42.71
4000	19.05	23.38	23.24	10.39	10.41	10.35	22.83	34.07	44.73
4500	21.84	30.16	32.49	10.43	10.48	10.38	20.44	30.92	44.41
5000	23.05	27.15	25.62	10.55	10.60	10.53	22.39	42.98	46.71
5500	19.21	25.65	26.44	10.76	10.85	10.75	27.93	33.48	37.61
6000	15.98	24.07	25.03	11.10	11.21	11.04	24.44	31.28	37.47
6500	17.95	23.52	24.67	11.19	11.37	11.16	30.20	28.94	46.88
7000	23.79	25.14	26.15	11.24	11.21	11.28	27.41	28.52	35.98
7500	19.05	23.72	24.65	11.63	11.89	11.68	22.22	25.38	30.20
8000	8.36	18.25	16.97	12.45	12.70	12.60	9.58	25.96	28.26

Simplified Electrical Schematic



Outline Dimensions



Outline drawing: OL-8974

Dimensions are in inches, [mm] shown for convenience.

Tolerances on 2-pl decimals: $\pm .03$. 3-pl decimals: $\pm .015$.

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