

# Erratum: “A Stepped-Bar Apparatus for Thermal Resistance Measurements” [Journal of Electronic Packaging, 2013, 135(4), 041002]

The authors mistakenly omitted the below Appendix from the paper [1]. The Appendix should appear after the Acknowledgment section.

## Appendix

**Table 3 Parts list for stepped-bar apparatus**

Part name	Supplier	Part ID	Unit cost (\$)	No. of units	Total cost (\$)
<b>Machining components</b>					
Cast iron hand wheel	McMaster Carr	6025K37	12.8	1	12.8
ACME threaded rod	McMaster Carr	99030A277	56.25	1	56.25
ACME round nut	McMaster Carr	95072A371	54.63	1	54.63
ACME round nut mounting flange	McMaster Carr	95082A643	32.58	1	32.58
Ceramic washer	McMaster Carr	94610A215	3.14	1	3.14
Shaft/support rod	McMaster Carr	6649K101	43.32	4	173.28
Sleeve bearing rulon	McMaster Carr	6371K119	27.44	1	27.44
Rubber feet	McMaster Carr	9540K36	14.48	1	14.48
Copper alloy 110 block	McMaster Carr	89275K54	206.33	1	206.33
Aluminum alloy 2024 block	McMaster Carr	86895K231	36.34	1	36.34
<b>Pressure application</b>					
Load cell	Omega Engineering	LCM305-500N	480	1	480
Digital strain gage meter	Omega Engineering	DPiS32	195	1	195
<b>Temperature recording</b>					
Thermocouples	Omega Engineering	TJ36-CPSS-020U-6	33	13	386.10
16 channel reader	Stanford Instruments	SR 630	1495	1	1495
<b>Heater/chiller</b>					
Cartridge heater	Omega Engineering	CIR-1014/120	47	2	94
Process control	Omega Engineering	CN 8201-DC1-C2	359	1	359
Heat sink	Omega Engineering	FHS-6	21	1	21
Fuse holder	Omega Engineering	FB-1	20	2	40
Fuse	Omega Engineering	KAX-10	30	2	60
Solid state relay	Omega Engineering	SSR L240DC10	21	1	21
Chiller	VWR scientific	13271-110	3605.91	1	3605.91
<b>DAQ and communication</b>					
NI GPIB-USB-HS	National Instruments	778927-01	549	1	549
X2 GPIB cable	National Instruments	763061-005	75	1	75
X2 GPIB cable	National Instruments	763061-02	90	1	90
<b>Miscellaneous</b>					
Nylon foam insulation	McMaster Carr	3623K64	5.16	7	36.12
Flexible fiberglass insulation	McMaster Carr	4478K1	6.28	1	6.28
Machining costs (meter bars)	—	—	1550	—	1550
				<b>Grand total</b>	<b>\$9681</b>

## Reference

[1] Thompson, D. R., Rao, S. R., and Cola, B. A., 2013, “A Stepped-Bar Apparatus for Thermal Resistance Measurements,” *J. Electron. Packag.* **135**(4), p. 041002.