

The tutorial, schematics, and PCB layout are available here on the Circuit Basics blog:
<http://www.circuitbasics.com/complete-guide-to-build-a-10w-amplifier-with-the-tda2003/>

TDA2003 Stereo Amplifier

*Quantities are for both channels

<u>Item</u>	<u>Value</u>	<u>Type</u>	<u>Brand</u>	<u>Quantity*</u>	<u>Link</u>	<u>Part #</u>
R1, R6	220 ohms	1/4W Metal Film 1%	KOA Speer	2	http://www.mouser.com	MF1/4CCT52R2200F
R2, R7	2.2 ohms	1/4W Metal Film 1%	KOA Speer	2	http://www.mouser.com	MF1/4DCT52R2R20F
R3, R8	1 ohm	1W Metal Film	Vishay-BC	2	http://www.mouser.com	PR01000101008JR500
R4, R5	39 ohms	1/4W Metal Film 1%	KOA Speer	2	http://www.mouser.com	MF1/4DCT52R39R0F
R9, R10	56K ohms	1/4W Metal Film 1%	KOA Speer	2	http://www.mouser.com	MFS1/4DCT52R5602F
C1, C8	2.2 uF	Polypropylene Film	Panasonic	2	http://www.mouser.com	ECW-FD2W225K
C2, C14	470 uF	25V Electrolytic	Panasonic FC	2	http://www.mouser.com	EEU-FC1E471L
C3, C5, C9, C13	100 nF	Polypropylene Film	Wima	4	http://www.mouser.com	MKP4-.1/250/10P10
C4, C12	1,000 uF	25V Electrolytic	Panasonic FC	2	http://www.mouser.com	EEU-FC1E102L
C6, C11	39 nF	Polypropylene Film	Würth	2	http://www.mouser.com	890334025007CS
C7, C10	100 uF	25V Electrolytic	Panasonic FC	2	http://www.mouser.com	EEU-FC1E101S
C15, C17	680 pF	Polystyrene	Xicon	2	http://www.mouser.com	23PS168
TDA2003				2	https://www.aliexpress.com	N/A
Female Spade Connectors	0.25"		Yueton	9	https://www.aliexpress.com	N/A
Male Spade Connectors	0.25"		TE connectivity	9	http://www.mouser.com	63849-1
Heat Sink	7.1"x3.9"x1.8"	Aluminum	Elegant	1	https://www.aliexpress.com	N/A

TDA2003 Bridged Mono Amplifier

<u>Item</u>	<u>Value</u>	<u>Type</u>	<u>Brand</u>	<u>Quantity</u>	<u>Link</u>	<u>Part #</u>
R1, R5	16 ohms	1/4W Metal Film 1%	Vishay Dale	2	http://www.mouser.com	RN60D16R0FB14
R2	200 ohms	1/4W Metal Film 1%	KOA Speer	1	http://www.mouser.com	MF1/4CCT52R2000F
R3	430 ohms	1/4W Metal Film 1%	Vishay Dale	1	http://www.mouser.com	RN60D4300FB14
R4	1 ohm	1W Metal Film	Vishay-BC	2	http://www.mouser.com	PR01000101008JR500
R6	10 ohms	1/4W Metal Film 1%	Vishay Dale	1	http://www.mouser.com	RN60D10R0FB14
C1, C8	2.2 uF	Polypropylene Film	Panasonic	2	http://www.mouser.com	ECW-FD2W225K
C2	15 uF	50V Electrolytic	Panasonic FC	1	http://www.mouser.com	EEU-FC1H150
C3, C6, C9, C11	100 nF	Polypropylene Film	Wima	4	http://www.mouser.com	MKP4-.1/250/10P10
C4	10 uF	25V Electrolytic	Panasonic FC	1	http://www.mouser.com	EEA-FC1E100
C5	47 nF	Polystyrene	Xicon Polystyrene	1	http://www.mouser.com	23PW247
C7, C10	100 uF	25V Electrolytic	Panasonic FC	2	http://www.mouser.com	EEU-FC1E101S
TDA2003				2	https://www.aliexpress.com	N/A
Female Spade Connectors	0.25"		Yueton	6	https://www.aliexpress.com	N/A
Male Spade Connectors	0.25"		TE connectivity	6	http://www.mouser.com	63849-1
Heat Sink	7.1"x3.9"x1.8"	Aluminum	Elegant	1	https://www.aliexpress.com	N/A