
Subject: theil-small params for Fostex FE-103 (RS 40-1197)

Posted by [Chris R](#) on Tue, 25 Sep 2001 12:51:39 GMT

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Hi Folks, I'm trying to find the T/S parameters for those little 4" fullrange drivers from Radio Shack. I have one in a TQWP box that works pretty well, but I'm thinking about putting two plus a piezotweeter in a Pi-aligned box for use as rear channel HT speakers. They'll be good to about 80-100Hz. What I don't have is Vas or resonant freq. Thx, Chris

Subject: Re: theil-small params for Fostex FE-103 (RS 40-1197)

Posted by [Wayne Parham](#) on Tue, 25 Sep 2001 21:32:15 GMT

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Here's what I have for the Fostex FE-103E. Not sure if it's the same as the Radio Shack 40-1197 or not. Vas = 420 c.i. Qts = 0.35 Fr = 80 Hz Sensitivity = 89 dB/2.83v/M Max power = 15 W Xmax = 0.01"

Subject: Re: theil-small params for Fostex FE-103 (RS 40-1197)

Posted by [MikeSt](#) on Wed, 26 Sep 2001 17:03:02 GMT

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I found this at www.radioshack.com. It's not the complete T/S params, but it's a start. I'd do a search on the Full Range Driver Forum <http://f18.parsimony.net/forum31999/> to see if the info is there. If not, post a message. Many folks on that forum have worked with the RS 40-1197.

MikeS
GENERAL
Nominal Impedance:.....8 Ohm +/- 15% at 1.6 V & 400
Hz
Resonance Frequency:.....80 Hz +/- 15 Hz at 1.6 V
Sound Pressure Level:.....90 dB/W (1m) +/- 2 dB
Power Handling Capacity:.....3 W
Music Power:.....15 W
Weight:.....590 g (20.85 oz)
MAGNET Dimensions:.....80 x 40 x 10 mm
Weight:.....188.5 g (6.65 oz)
VOICE COIL Nominal Diameter:.....20.32 mm (0.8 inch)
Bobbin Material:.....Paper
Wire Size:.....0.12 mm
DC Resistance:.....7.6 Ohm
Turns/Layers:.....76
Turns/2 Layers
Winding Length:.....5.6 mm

Subject: Re: theil-small params for Fostex FE-103 (RS 40-1197)

Posted by [chrisR](#) on Fri, 28 Sep 2001 12:41:02 GMT

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Thanks Wayne and Mike, that is just what I needed.Chris
