
Subject: Output Z

Posted by [PakProtector](#) on Mon, 03 Jan 2005 00:12:22 GMT

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Hey-Hey!!!, There are two things to account for the output Z. First is the series capacitor we are using for coupling. For a 5-mike we're looking at ~1k5 @ 20 cps. $1/[2\pi \{ \text{frequency in cps} \} \{ \text{capacitance in farads} \}]$ if you feel like breaking out your slide-rule. I have seen measurements made by a trustworthy and skilled experimenter indicating that the mu output, at the currents we are looking at (10 mA) is granting output z in the few hundreds of Ohms. So the low freq performance is dictated by the cap, and at mid-band won't be worse than a few hundred Ohms. Makes silly-expensive patch cords less of a requirement, no? regards, Douglas
