

Maximum Recommended Transmission Distance at Digital Audio Data Rates* (AES3-2003)**

Part Number	6 MHz		12 MHz		25 MHz	
	Ft.	m	Ft.	m	Ft.	m
1353A	1112	339	772	235	525	160
9180, 7880A Series	813	248	633	193	474	144
1800F	664	203	424	129	279	85
1800B, 1801B, 1802B, 1803F Series	1105	337	877	267	649	198
1696A	1538	469	1250	381	1015	309
179DT (AES3) [†] ◆	1005	306	722	220	522	159
	(AES-3id) ^{††}	402	123	289	88	209
1855A (AES3) [†] ◆	1992	607	1538	469	1111	339
	(AES-3id) ^{††}	796	242	615	188	444
1505A (AES3) [†] ◆	2911	887	2222	677	1538	469
	(AES-3id) ^{††}	1164	355	888	270	615
1505F (AES3) [†] ◆	2985	910	2041	622	1389	423
	(AES-3id) ^{††}	1194	364	816	249	556
1694A (AES3) [†] ◆	3407	1039	2500	762	2000	610
	(AES-3id) ^{††}	1363	416	1000	305	800
1694F (AES3) [†] ◆	3660	1116	2411	735	1701	518
	(AES-3id) ^{††}	1811	552	1193	364	841

* Sampling rates include: 38 KHz, 44.1 KHz, 48 KHz, 96 KHz and 192 KHz.

** Longer transmission distances are achievable but are contingent upon specific input/output voltages.

† Transmission distance calculations assume minimum allowable output signal amplitude (2V per AES3-2003) and minimum allowable input signal amplitude (200mV per AES3-2003).

†† Per AES-3id-2001, when using analog video distribution equipment to implement AES-3id, maximum transmission distances are 40% of AES3 values assuming a minimum allowable output signal amplitude of 1V and a minimum allowable input signal amplitude of 320mV.

◆ Implementation of AES3 with coaxial cable and 110-75Ω baluns can be achieved with transmission distances of 91% of the AES3 coaxial distances listed above.