



SmartAnt Telecom Co.,Ltd.

Documents For Approval

Customer : First International Computer Corporation

1. SmartAnt Product Name: FIC MB05 Embedded Antenna

2. Part No: [R0305-064](#)

3. Date: 03. June. 2003

4. Vendor Code: J186

5. Customer approved Product Number: [21-92198-01](#)

Customer Evaluations:

☐ **Approved** (Date: _____)

☐ **Rejected** (Date: _____)

☐ **Limited** (Date: _____)

☐ **Conditional Approved** (Date: _____)

© SmartAnt Telecom Approved By: Sven Hung Date:03. 06. 2003

© SmartAnt Telecom Prepared By: Lance Chou Date:03. 06. 2003



SmartAnt Telecom Co., Ltd



I N D E X

MB05 Embedded Antenna

- 1. Antenna type/Material & Model No.....1**
- 2. Coaxial cable length & Diameter (Φ) & Vendor**
- 3. Connector model no. & Vendor**
- 4. Antenna Placement & Outline drawing**
- 5. Antenna's Specification & Result**
- 6. Related Reliability Test**
- 7. Package**
- 8. Related document**



1. Antenna type/Material & Model No.

1.1 Antenna type: PIFA(Planned Inverted F-shape Antenna)

1.2 Material: 0.3t copper

1.3 Model No.:

FIC P/N: 21-92198-01

SmartAnt P/N: R0305-064

2. Coaxial cable length & Diameter (Φ) & Vendor

2.1 Coaxial cable/Length:

Coaxial cable: Nissei RF-MF5016

Left Antenna: 495mm, Black

Right Antenna: 630mm, Gray

2.2 Diameter (Φ) & Vendor

Diameter: Φ 1.13mm

Vendor: Nissei

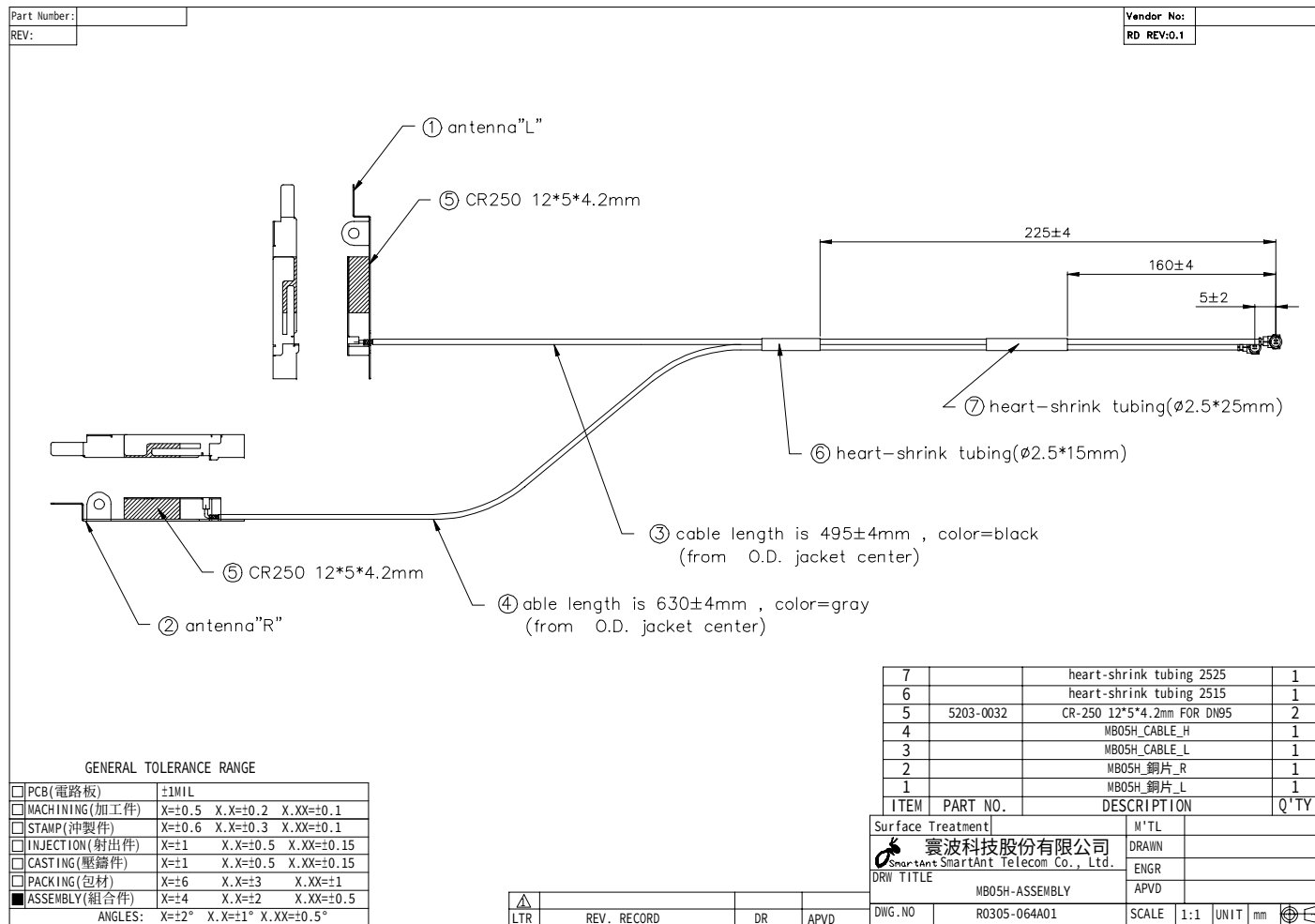
3. Connector model no. & Vendor

3.1 Connector model no.: HRS U.FL-066

3.2 Vendor: Hirose



4.Outline drawing





5. Antenna's Specification & Result

5.1 FIC 802.11b Specification

5.1.1 Frequency range : 2.4 – 2.5GHz

5.1.2 Impedance : 50Ω

5.1.3 LCD Panel : Open (100^0), Close (0^0)

5.1.4 System Plane : XY plane

5.1.5 VSWR : ≤ 2 (Main & Aux. Antenna)

5.1.6 Return Loss : $\leq -10\text{dB}$ (Main & Aux. Antenna)

5.1.7 Band Width : $\geq 130\text{ MHz}$ (2450MHz +/- 65MHz at least)

5.1.8 Any 30^0 angle range can not has null depth.



5.2 Antenna Test Methods

5.2.1 VSWR Test

Test condition

Connector : **Hirose**

Cable : **RF-MF5016** (NISSEI Electric CO.,LTD)

Adopter : **HRMP-U.FLJ** (Hirose Electric CO.,LTD)

Network analyzer : **HP 8753D**

Housing : **MB05 Notebook**

Specimens

right-side wireless LAN antenna

left-side wireless LAN antenna

5.2.2 Gain & Radiation Pattern Test

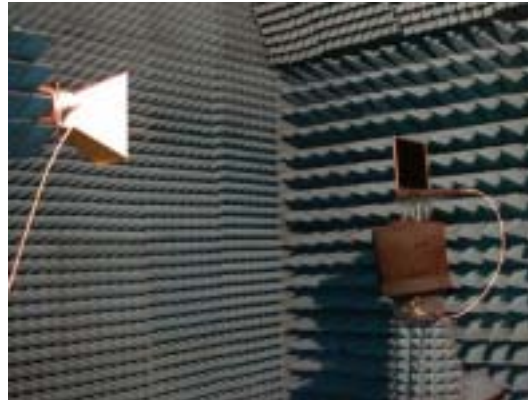
Test condition

Network Analyzer : HP 8722D 30kHz ~ 40 GHz

Standard gain horn : EMCO Model 3115 Double Ridged Guide Antenna 1GHz ~18 GHz

Anechoic Chamber : Antcom NFH003 (5'x5'x5') Hybrid Near-field System

- * 450 MHz – 40 GHz
- * 7 axes scanner system
- * Planar, cylindrical, and spherical scanning
- * Far-field scan option

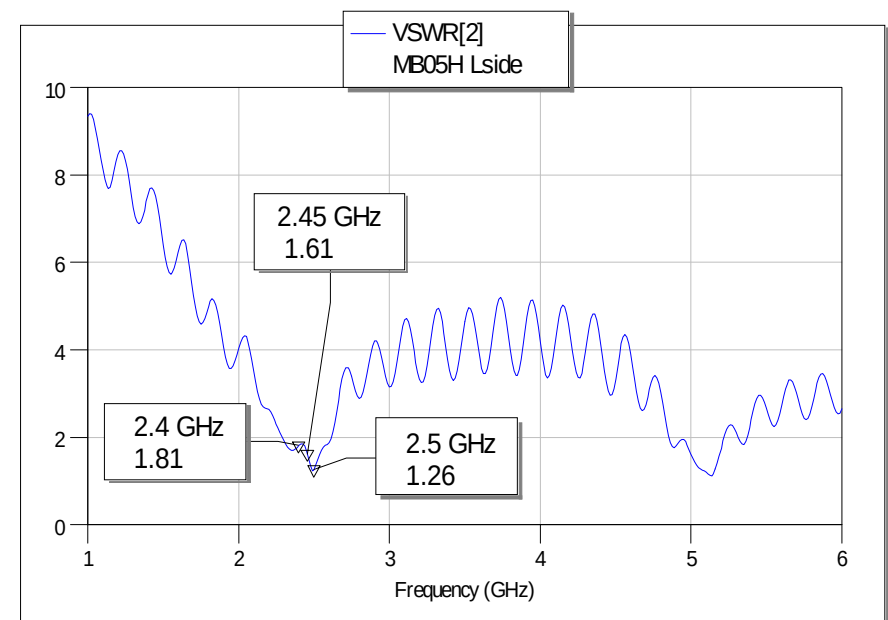
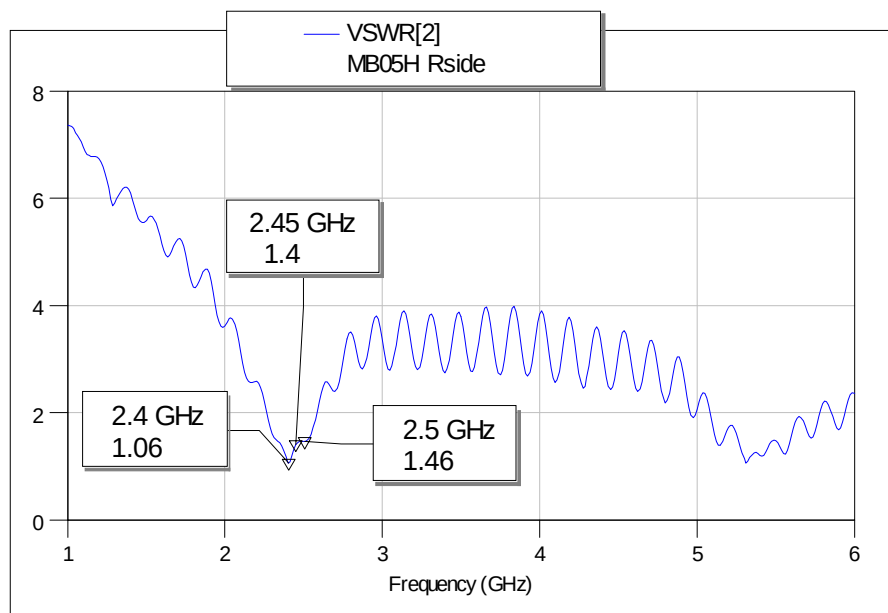




5.3 Result

5.3.1 VSWR

Left & Right antenna





5.3.2 Peak gain & Average gain

Left antenna(Main)

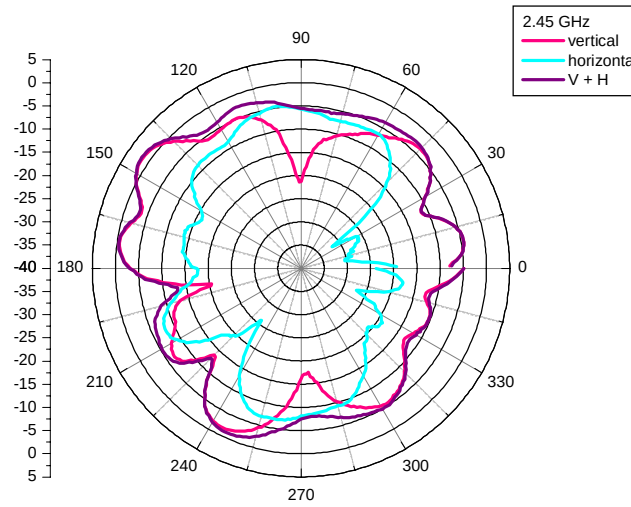
ANT.	avg240	avg245	avg250	peak240	peak245	peak250
(dBi)	-4.4877	-4.3336	-4.9631	0.5696	1.3053	1.8338

Right antenna(Aux)

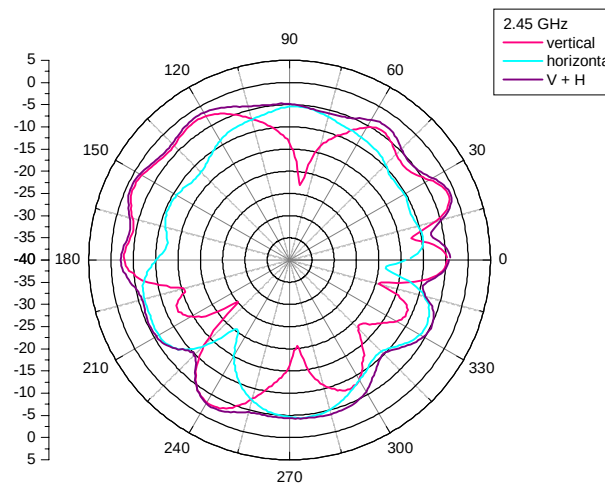
ANT.	avg240	avg245	avg250	peak240	peak245	peak250
(dBi)	-4.0385	-4.1559	-3.6983	-0.9701	-0.8865	-0.5781



Left antenna open(Main)



Right antenna open(Aux)





6. Related Reliability Test

6.1 Environmental Specification

Storage

Condition : Non operating during test.

Cold : - 40°C during 72h (IEC 68-2-1 standard Ab/Ad test)

Dry heat : +60°C during 96h (IEC 68-2-2 standard Bb/Bd test)

Humidity : +40°C at 95%R.H. during 4 days (IEC 68-2-56 standard Cb test)

Mandatory : No mechanical or visible damage tolerated.

Guaranty of functionalities after test.

Operation

Condition : Operating during test.

Cold : - 10°C during 48h (IEC 68-2-1 standard Ab/Ad test)

Dry heat : + 55°C during 48h (IEC 68-2-2 standard Bb/Bd test)

Composite : - 10°C to + 55°C 95%R.H. 4 cycles (IEC 68-2-30 standard Nb test)

Mandatory : No mechanical or visible damage tolerated.

Guaranty of functionalities during and after test.

Traction:

Tractions force applied 3 times on plugs during 15 second : 2 kg

Mandatory : No mechanical damage tolerated.

Guaranty of functionalities after test.



7.Package

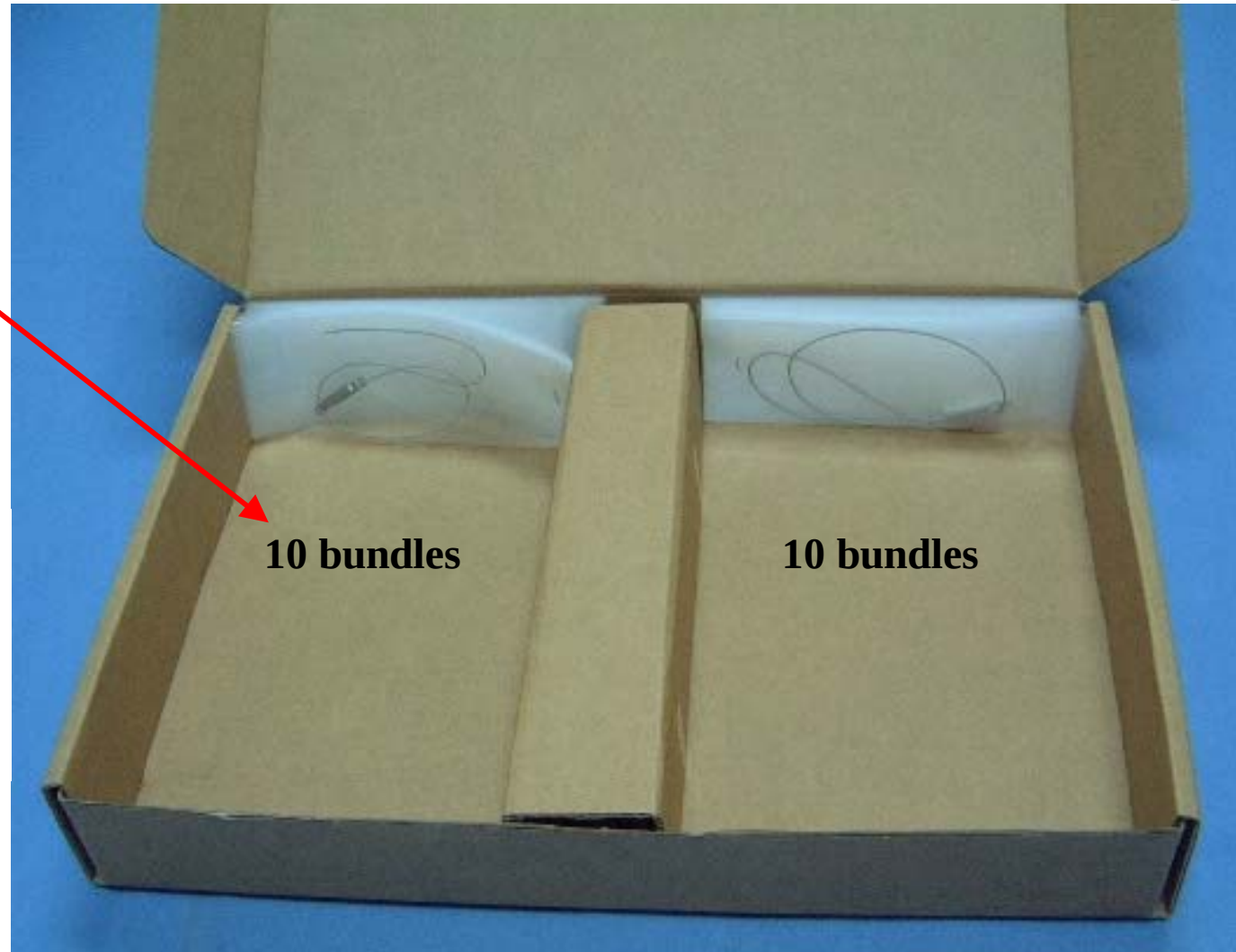
Total: 200 pcs



A bundle consists of 10 pcs
of antennas.



A carton consists of 10 pcs
of antennas.
Total : 2000pcs



Every box consists of 20 bundles of antenna, and every bundle consists of 10 pcs of antenna.



8.Document for sponge

YDPU2 November 4, 1994
Component - Extruded Tubing, Electrical

SUMITOMO ELECTRIC INDUSTRIES LTD
IRRADIATED PRODUCTS DIV

Irradiated flexible heat shrinkable polyolefin.

	825 or 826	828 or 829	830 or 831	832 or 833	834 or 835	836 or 837	838 or 839	840 or 841	842 or 843	844 or 845	846 or 847	848 or 849	850 or 851	852 or 853	854 or 855	856 or 857	858 or 859	860 or 861	862 or 863	864 or 865	866 or 867	868 or 869	870 or 871	872 or 873	874 or 875	876 or 877	878 or 879	880 or 881	882 or 883	884 or 885	886 or 887	888 or 889	890 or 891	892 or 893	894 or 895	896 or 897	898 or 899	900 or 901	902 or 903	904 or 905	906 or 907	908 or 909	910 or 911	912 or 913	914 or 915	916 or 917	918 or 919	920 or 921	922 or 923	924 or 925	926 or 927	928 or 929	930 or 931	932 or 933	934 or 935	936 or 937	938 or 939	940 or 941	942 or 943	944 or 945	946 or 947	948 or 949	950 or 951	952 or 953	954 or 955	956 or 957	958 or 959	960 or 961	962 or 963	964 or 965	966 or 967	968 or 969	970 or 971	972 or 973	974 or 975	976 or 977	978 or 979	980 or 981	982 or 983	984 or 985	986 or 987	988 or 989	990 or 991	992 or 993	994 or 995	996 or 997	998 or 999	1000 or 1001	1002 or 1003	1004 or 1005	1006 or 1007	1008 or 1009	1010 or 1011	1012 or 1013	1014 or 1015	1016 or 1017	1018 or 1019	1020 or 1021	1022 or 1023	1024 or 1025	1026 or 1027	1028 or 1029	1030 or 1031	1032 or 1033	1034 or 1035	1036 or 1037	1038 or 1039	1040 or 1041	1042 or 1043	1044 or 1045	1046 or 1047	1048 or 1049	1050 or 1051	1052 or 1053	1054 or 1055	1056 or 1057	1058 or 1059	1060 or 1061	1062 or 1063	1064 or 1065	1066 or 1067	1068 or 1069	1070 or 1071	1072 or 1073	1074 or 1075	1076 or 1077	1078 or 1079	1080 or 1081	1082 or 1083	1084 or 1085	1086 or 1087	1088 or 1089	1090 or 1091	1092 or 1093	1094 or 1095	1096 or 1097	1098 or 1099	1100 or 1101	1102 or 1103	1104 or 1105	1106 or 1107	1108 or 1109	1110 or 1111	1112 or 1113	1114 or 1115	1116 or 1117	1118 or 1119	1120 or 1121	1122 or 1123	1124 or 1125	1126 or 1127	1128 or 1129	1130 or 1131	1132 or 1133	1134 or 1135	1136 or 1137	1138 or 1139	1140 or 1141	1142 or 1143	1144 or 1145	1146 or 1147	1148 or 1149	1150 or 1151	1152 or 1153	1154 or 1155	1156 or 1157	1158 or 1159	1160 or 1161	1162 or 1163	1164 or 1165	1166 or 1167	1168 or 1169	1170 or 1171	1172 or 1173	1174 or 1175	1176 or 1177	1178 or 1179	1180 or 1181	1182 or 1183	1184 or 1185	1186 or 1187	1188 or 1189	1190 or 1191	1192 or 1193	1194 or 1195	1196 or 1197	1198 or 1199	1200 or 1201	1202 or 1203	1204 or 1205	1206 or 1207	1208 or 1209	1210 or 1211	1212 or 1213	1214 or 1215	1216 or 1217	1218 or 1219	1220 or 1221	1222 or 1223	1224 or 1225	1226 or 1227	1228 or 1229	1230 or 1231	1232 or 1233	1234 or 1235	1236 or 1237	1238 or 1239	1240 or 1241	1242 or 1243	1244 or 1245	1246 or 1247	1248 or 1249	1250 or 1251	1252 or 1253	1254 or 1255	1256 or 1257	1258 or 1259	1260 or 1261	1262 or 1263	1264 or 1265	1266 or 1267	1268 or 1269	1270 or 1271	1272 or 1273	1274 or 1275	1276 or 1277	1278 or 1279	1280 or 1281	1282 or 1283	1284 or 1285	1286 or 1287	1288 or 1289	1290 or 1291	1292 or 1293	1294 or 1295	1296 or 1297	1298 or 1299	1300 or 1301	1302 or 1303	1304 or 1305	1306 or 1307	1308 or 1309	1310 or 1311	1312 or 1313	1314 or 1315	1316 or 1317	1318 or 1319	1320 or 1321	1322 or 1323	1324 or 1325	1326 or 1327	1328 or 1329	1330 or 1331	1332 or 1333	1334 or 1335	1336 or 1337	1338 or 1339	1340 or 1341	1342 or 1343	1344 or 1345	1346 or 1347	1348 or 1349	1350 or 1351	1352 or 1353	1354 or 1355	1356 or 1357	1358 or 1359	1360 or 1361	1362 or 1363	1364 or 1365	1366 or 1367	1368 or 1369	1370 or 1371	1372 or 1373	1374 or 1375	1376 or 1377	1378 or 1379	1380 or 1381	1382 or 1383	1384 or 1385	1386 or 1387	1388 or 1389	1390 or 1391	1392 or 1393	1394 or 1395	1396 or 1397	1398 or 1399	1400 or 1401	1402 or 1403	1404 or 1405	1406 or 1407	1408 or 1409	1410 or 1411	1412 or 1413	1414 or 1415	1416 or 1417	1418 or 1419	1420 or 1421	1422 or 1423	1424 or 1425	1426 or 1427	1428 or 1429	1430 or 1431	1432 or 1433	1434 or 1435	1436 or 1437	1438 or 1439	1440 or 1441	1442 or 1443	1444 or 1445	1446 or 1447	1448 or 1449	1450 or 1451	1452 or 1453	1454 or 1455	1456 or 1457	1458 or 1459	1460 or 1461	1462 or 1463	1464 or 1465	1466 or 1467	1468 or 1469	1470 or 1471	1472 or 1473	1474 or 1475	1476 or 1477	1478 or 1479	1480 or 1481	1482 or 1483	1484 or 1485	1486 or 1487	1488 or 1489	1490 or 1491	1492 or 1493	1494 or 1495	1496 or 1497	1498 or 1499	1500 or 1501	1502 or 1503	1504 or 1505	1506 or 1507	1508 or 1509	1510 or 1511	1512 or 1513	1514 or 1515	1516 or 1517	1518 or 1519	1520 or 1521	1522 or 1523	1524 or 1525	1526 or 1527	1528 or 1529	1530 or 1531	1532 or 1533	1534 or 1535	1536 or 1537	1538 or 1539	1540 or 1541	1542 or 1543	1544 or 1545	1546 or 1547	1548 or 1549	1550 or 1551	1552 or 1553	1554 or 1555	1556 or 1557	1558 or 1559	1560 or 1561	1562 or 1563	1564 or 1565	1566 or 1567	1568 or 1569	1570 or 1571	1572 or 1573	1574 or 1575	1576 or 1577	1578 or 1579	1580 or 1581	1582 or 1583	1584 or 1585	1586 or 1587	1588 or 1589	1590 or 1591	1592 or 1593	1594 or 1595	1596 or 1597	1598 or 1599	1600 or 1601	1602 or 1603	1604 or 1605	1606 or 1607	1608 or 1609	1610 or 1611	1612 or 1613	1614 or 1615	1616 or 1617	1618 or 1619	1620 or 1621	1622 or 1623	1624 or 1625	1626 or 1627	1628 or 1629	1630 or 1631	1632 or 1633	1634 or 1635	1636 or 1637	1638 or 1639	1640 or 1641	1642 or 1643	1644 or 1645	1646 or 1647	1648 or 1649	1650 or 1651	1652 or 1653	1654 or 1655	1656 or 1657	1658 or 1659	1660 or 1661	1662 or 1663	1664 or 1665	1666 or 1667	1668 or 1669	1670 or 1671	1672 or 1673	1674 or 1675	1676 or 1677	1678 or 1679	1680 or 1681	1682 or 1683	1684 or 1685	1686 or 1687	1688 or 1689	1690 or 1691	1692 or 1693	1694 or 1695	1696 or 1697	1698 or 1699	1700 or 1701	1702 or 1703	1704 or 1705	1706 or 1707	1708 or 1709	1710 or 1711	1712 or 1713	1714 or 1715	1716 or 1717	1718 or 1719	1720 or 1721	1722 or 1723	1724 or 1725	1726 or 1727	1728 or 1729	1730 or 1731	1732 or 1733	1734 or 1735	1736 or 1737	1738 or 1739	1740 or 1741	1742 or 1743	1744 or 1745	1746 or 1747	1748 or 1749	1750 or 1751	1752 or 1753	1754 or 1755	1756 or 1757	1758 or 1759	1760 or 1761	1762 or 1763	1764 or 1765	1766 or 1767	1768 or 1769	1770 or 1771	1772 or 1773	1774 or 1775	1776 or 1777	1778 or 1779	1780 or 1781	1782 or 1783	1784 or 1785	1786 or 1787	1788 or 1789	1790 or 1791	1792 or 1793	1794 or 1795	1796 or 1797	1798 or 1799	1800 or 1801	1802 or 1803	1804 or 1805	1806 or 1807	1808 or 1809	1810 or 1811	1812 or 1813	1814 or 1815	1816 or 1817	1818 or 1819	1820 or 1821	1822 or 1823	1824 or 1825	1826 or 1827	1828 or 1829	1830 or 1831	1832 or 1833	1834 or 1835	1836 or 1837	1838 or 1839	1840 or 1841	1842 or 1843	1844 or 1845	1846 or 1847	1848 or 1849	1850 or 1851	1852 or 1853	1854 or 1855	1856 or 1857	1858 or 1859	1860 or 1861	1862 or 1863	1864 or 1865	1866 or 1867	1868 or 1869	1870 or 1871	1872 or 1873	1874 or 1875	1876 or 1877	1878 or 1879	1880 or 1881	1882 or 1883	1884 or 1885	1886 or 1887	1888 or 1889	1890 or 1891	1892 or 1893	1894 or 1895	1896 or 1897	1898 or 1899	1900 or 1901	1902 or 1903	1904 or 1905	1906 or 1907	1908 or 1909	1910 or 1911	1912 or 1913	1914 or 1915	1916 or 1917	1918 or 1919	1920 or 1921	1922 or 1923	1924 or 1925	1926 or 1927	1928 or 1929	1930 or 1931	1932 or 1933	1934 or 1935	1936 or 1937	1938 or 1939	1940 or 1941	1942 or 1943	1944 or 1945	1946 or 1947	1948 or 1949	1950 or 1951	1952 or 1953	1954 or 1955	1956 or 1957	1958 or 1959	1960 or 1961	1962 or 1963	1964 or 1965	1966 or 1967	1968 or 1969	1970 or 1971	1972 or 1973	1974 or 1975	1976 or 1977	1978 or 1979	1980 or 1981	1982 or 1983	1984 or 1985	1986 or 1987	1988 or 1989	1990 or 1991	1992 or 1993	1994 or 1995	1996 or 1997	1998 or 1999	2000 or 2001	2002 or 2003	2004 or 2005	2006 or 2007	2008 or 2009	2010 or 2011	2012 or 2013	2014 or 2015	2016 or 2017	2018 or 2019	2020 or 2021	2022 or 2023	2024 or 2025	2026 or 2027	2028 or 2029	2030 or 2031	2032 or 2033	2034 or 2035	2036 or 2037	2038 or 2039	2040 or 2041	2042 or 2043	2044 or 2045	2046 or 2047	2048 or 2049	2050 or 2051	2052 or 2053	2054 or 2055	2056 or 2057	2058 or 2059	2060 or 2061	2062 or 2063	2064 or 2065	2066 or 2067	2068 or 2069	2070 or 2071	2072 or 2073	2074 or 2075	2076 or 2077	2078 or 2079	2080 or 2081	2082 or 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2237	2238 or 2239	2240 or 2241	2242 or 2243	2244 or 2245	2246 or 2247	2248 or 2249	2250 or 2251	2252 or 2253	2254 or 2255	2256 or 2257	2258 or 2259	2260 or 2261	2262 or 2263	2264 or 2265	2266 or 2267	2268 or 2269	2270 or 2271	2272 or 2273	2274 or 2275	2276 or 2277	2278 or 2279	2280 or 2281	2282 or 2283	2284 or 2285	2286 or 2287	2288 or 2289	2290 or 2291	2292 or 2293	2294 or 2295	2296 or 2297	2298 or 2299	2300 or 2301	2302 or 2303	2304 or 2305	2306 or 2307	2308 or 2309	2310 or 2311	2312 or 2313	2314 or 2315	2316 or 2317	2318 or 2319	2320 or 2321	2322 or 2323	2324 or 2325	2326 or 2327	2328 or 2329	2330 or 2331	2332 or 2333	2334 or 2335	2336 or 2337	2338 or 2339	2340 or 2341	2342 or 2343	2344 or 2345	2346 or 2347	2348 or 2349	2350 or 2351	2352 or 2353	2354 or 2355	2356 or 2357	2358 or 2359	2360 or 2361	2362 or 2363	2364 or 2365
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OMFZ2	January 29, 1987
Component Plastic	

MIYAHARA RUBBER INDUSTRY CO LTD
1-20 KARUMO-DORI 1-CHOME NAGATO-KU KOBE.
SHI, HYOGO-KEN JAPAN

E66114 (S)

ARI	Col	Dens PCF (g/cc)	In.	Min Thk (mm)	UL94 Flame Class
Dep					
Chloroprene rubber foam furnished in sheet or block form.					
CR-30	BK	12.7(0.2) 14.4(0.23)	0.073	(1.85)	8410F
CR-45	BK	15.9(0.25) 16.74(0.20)	0.078	(2.0)	941F-1
VER-250	BK	12.0(0.19) 13.2(0.2)	0.082	(1.57)	941F-1

Mapping: Company name and material designation on container, wrapper or finished part.

See General Information Preceding These Recognitions.

UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end product devices and appliances, where the acceptability of the combination is determined by ULL.

Report March 1, 1978.

Replaces E66114 dated December 2, 1986.

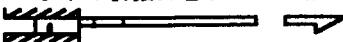
877379001 180076 Underwriters Laboratories Inc.®

D110026547



△の数	訂正記事	担当	検閲	年月日	△の数	訂正記事	担当	検閲	年月日
△					△				
△					△				

適用規格		—			
定 格	使用温度範囲	-40℃～ +90℃ (RH90%以下)	保存温度範囲	-40℃ ～ +90℃ (RH90%以下)	
	電 力	—W	特性インピーダンス	50Ω (0 ～ 3 GHz)	
	特 殊 性	—	適合ケーブル	A12B0733-01 : (株) 潮工社製	
	定格電圧	60V			

性 能					
	項 目	試 験 方 法	規 格	QT	AT
構造	外觀、構造、仕上げ	目視、寸法測定器にて測定する。	図面と合致していること。	○	○
	表示	目視にて確認する。		○	○
電氣的性能	接 触 抵 抗	10 mA (DC OR 1000 Hz) 以下で測定する。	中心コネクタ 0.52 (L-1.4) +40 mΩ以下 外部コネクタ 0.08 (L-1.4) +20 mΩ以下	○	○
	絶 縁 抵 抗	DC 100Vで測定する。	500 MΩ以上	○	○
	耐 電 圧	AC 200Vの電圧を1分間印加する(漏洩電流2mA以下)	せん絡・絶縁破壊がないこと。	○	○
	電 圧 定 在 波 比	周波数 0.045～ 3 GHzにて測定する。	V SWR 1.3 以下	○	—
	挿 入 損 失	周波数 — ～ — GHzにて測定する。	— dB以下	—	—
機械	ケーブルクランプ部の引っ張り強度	9.8N以下の引張力をケーブル軸に加える。 	① ケーブルの抜けや断線等のないこと。 ② クランプ部の破損のないこと。	○	—
			参 考 図 この図は、型式には別途 納入仕様書をご確認ください		

備考					製 図	担 当	検 図	承 認	出 図
									
試験規格の記載のない試験方法はJIS C 5402を適用している。									

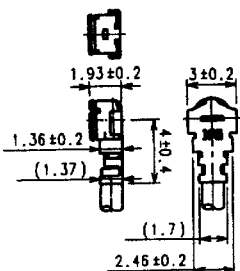
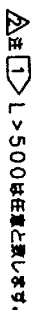
注 QT:確認試験 AT:製品検査 O:適用項目

HRS ヒロセ電機株式会社 HIROSE ELECTRIC CO., LTD.		製品規格表	製品名 U. FL-2LP-066-A-(L)
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IBCL	図番	製品コード	1
CL	SLC4-133660	CL321-2170-7	1

TO
RF

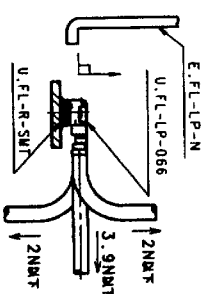
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●ケーブル長標準公称	
L (mm)	標準公称
35 ≤ L < 200	±4 mm
200 ≤ L < 500	±8 mm
500 ≤ L < 1000	±12 mm
1000 ≤ L	±1.5 % mm

【コネクタ使用上のご注意】

1. コナワラの樹形について
 (1) コナワラの樹形は、下記の樹形図を参考に
 樹形に引き違えて下さい。
 ●樹名: E、FL-LP-N (CL331-0441-9)
 ●ケールを、左図形はコナワラ樹形になり、すので
 樹形に付なして下さい。
 (2) コナワラの樹形は、同じコナワラの樹形を合わせ樹形に
 付して下さい。
 ●樹形入はコナワラの樹形 (樹形) とおなじもので付なす
 して下さい。
2. ケール葉の裏について
 (1) ケールの葉、下葉は樹形以上の葉をケールに加えな
 して下さい。
 ●コナワラの樹形、葉形及びケールの樹形、葉の裏面と
 なるものを、このまま下して下さい。



品名	数量	単位
U.F. 21P-066-A-400	63.321-2170-7-01	40.2x4
U.F. 21P-066-A-500	63.321-2170-7-02	50.2x4
U.F. 21P-066-A-600	63.321-2170-7-03	60.2x4
U.F. 21P-066-A-700	63.321-2170-7-04	70.2x4
U.F. 21P-066-A-800	63.321-2170-7-05	80.2x4
U.F. 21P-066-A-900	63.321-2170-7-06	90.2x4
U.F. 21P-066-A-1000	63.321-2170-7-07	100.2x4
U.F. 21P-066-A-1100	63.321-2170-7-08	110.2x4
U.F. 21P-066-A-1200	63.321-2170-7-09	120.2x4
U.F. 21P-066-A-1300	63.321-2170-7-10	130.2x4
U.F. 21P-066-A-1400	63.321-2170-7-11	140.2x4
U.F. 21P-066-A-1500	63.321-2170-7-12	150.2x4
U.F. 21P-066-A-1600	63.321-2170-7-13	160.2x4
U.F. 21P-066-A-1700	63.321-2170-7-14	170.2x4
U.F. 21P-066-A-1800	63.321-2170-7-15	180.2x4
U.F. 21P-066-A-1900	63.321-2170-7-16	190.2x4
U.F. 21P-066-A-2000	63.321-2170-7-17	200.2x4
U.F. 21P-066-A-3000	63.321-2170-7-18	300.2x8
U.F. 21P-066-A-4000	63.321-2170-7-19	400.2x8
U.F. 21P-066-A-5000	63.321-2170-7-20	500.2x8
U.F. 21P-066-A-6000	63.321-2170-7-21	600.2x12
U.F. 21P-066-A-7000	63.321-2170-7-22	700.2x12
U.F. 21P-066-A-8000	63.321-2170-7-23	800.2x12
U.F. 21P-066-A-9000	63.321-2170-7-24	900.2x12
U.F. 21P-066-A-10000	63.321-2170-7-25	1000.2x12
U.F. 21P-066-A-441	63.321-2170-7-26	440.2x4
U.F. 21P-066-A-2651	63.321-2170-7-27	265.2x8
U.F. 21P-066-A-421	63.321-2170-7-28	42.2x4
U.F. 21P-066-A-461	63.321-2170-7-29	46.2x4
U.F. 21P-066-A-5440	63.321-2170-7-30	540.2x12
U.F. 21P-066-A-1552	63.321-2170-7-31	155.2x4
U.F. 21P-066-A-2508	63.321-2170-7-32	250.2x8

2	U.FL-CONTACT	CL331-0461-6
1	U.FL-LP-066	CL331-0452-5
印番	製品名	部品コード
備考	REMARKS	
3	A12B07J3-01	(株)日立製作所
製図名	製品名	製品コード
DRAWN	DESIGNED	CHECKED
大 中 小	大 中 小	大 中 小
製品名	PART NO.	製品コード
U.FL-2LP-066	CL CODE NO.	CL321-2170