连接器和法兰衬垫

D 型连接器专用屏蔽接地铍铜簧片

这种簧片通过独立的钩爪来保证实现最大的表面接触以提供优良的 EMI 保护。当改善表面不规则的性能时，它将减小封闭力。

单位：mm

型号	C	X	Y	Z
9DAB	17.5	35.8	24.9	19.8
15DAB	17.5	44.2	33.3	28.2
25DAB	17.5	57.9	47.0	41.9
37DAB	17.5	74.4	63.5	58.2
50DAB	20.3	72.1	61.2	55.9

AB	9D	15D	25D	37D	50D
10（不锈钢）	A=11.2，B=5.6	A=11.2，B=5.6	A=11.2，B=5.6	A=11.2，B=5.6	A=14，B=7.1
12（铍铜）	A=11.2，B=5.	A=11.2，B=5.6	A=11.2，B=5.6	A=11.2，B=5.6	A=14，B=7.1
20（不锈钢）	A=8.9，B=4.6	A=8.9，B=4.6	A=8.9，B=4.6	A=8.9，B=4.6	A=11.4，B=5.8
22（铍铜）	A=8.9，B=4.6	A=8.9，B=4.6	A=8.9，B=4.6	A=8.9，B=4.6	A=11.4，B=5.8
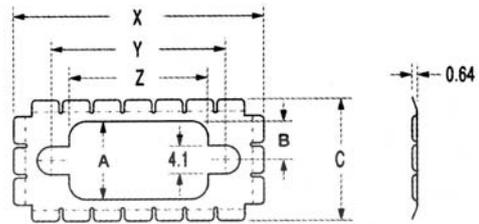
连接器衬垫

许多屏蔽材料能被生产成连接器衬垫，用于军事和商用领域。由于每种屏蔽材料有其自身的优点，故有的可起电磁屏蔽作用；有的可起 EMI 和环境密封双重作用。这些材料经过测试，整体 EMI 屏效高达 100dB。
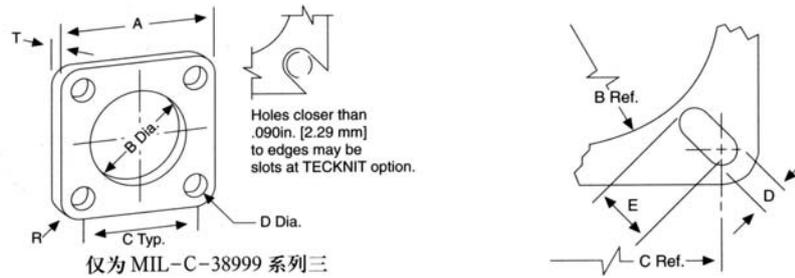
技术规范：

标准材料（部件号+前缀）	EMI 屏蔽	密封橡胶	厚度 mm
42-6xxxx	铝	硅橡胶	0.51
42-8xxxx	铝	氯丁橡胶	0.51
45-6xxxx	不锈钢	硅橡胶	0.76
48-6xxxx	蒙乃尔	硅橡胶	0.76
48-8xxxx	铝	硅橡胶	0.76
82-6xxxx	蒙乃尔	硅橡胶	0.76
82-7xxxx	镀锡磷青铜	硅橡胶	0.76
82-8xxxx	铝	硅橡胶	0.76
84-6xxxx	铜镀银	硅橡胶	0.76
87-7xxxx	铜镀银	硅橡胶	0.76
87-5xxxx	铜镀银	氟硅橡胶	0.76
89-5xxxx	铝镀银	硅橡胶	0.76
89-7xxxx	铝镀银	氟硅橡胶	0.76

仅为 MIL-C-38999 系列三

订货信息： 订购连接器衬垫，首先选择材料部件号代码；第二步，从下列表中找出所需衬垫尺寸并记下订货号或字尾；第三步，将材料字首数和订货号组合在一起就是订购衬垫的完整部件号码。

表一　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　单位：mm

法兰、连接器外壳尺寸			衬垫尺寸					
AN,HT& QWL MIL-C-5015 MS-3100 MS-3102	SP	JT,PT & PC MIL-C-26482 MS-3110 MS-3112 MS-3119 MS-3120	A ± 0.38	B ± 0.38	C ± 0.38	D ± 0.38	R ± 0.38	产品号
—	—	# 6	17.48	9.53	11.91	3.96	2.77	XX – X1650
—	—	# 8	20.62	12.70	15.09	3.96	2.77	XX – X1651
# 8	—	—	22.23	12.70	15.09	4.37	3.18	XX – X1408
—	—	# 10	23.83	15.88	18.26	3.96	2.77	XX – X1652
—	# 6	—	24.21	9.53	16.28	4.37	3.96	XX – X1653
# 10	—	—	25.40	15.88	18.26	4.37	3.18	XX – X1411
—	—	# 12	26.19	19.05	20.65	3.96	2.77	XX – X1654
—	# 8	—	26.59	12.70	18.64	4.37	3.96	XX – X1655
# 12	—	—	27.79	19.05	20.65	4.37	3.18	XX – X1415
—	—	# 14	28.58	22.23	23.01	3.96	2.77	XX – X1656
—	# 10	—	28.58	17.45	20.62	4.37	1.60X45″	XX – X1418
# 14	—	—	30.18	22.23	23.01	4.37	3.18	XX – X1423
—	—	# 16	30.96	25.40	24.61	3.96	3.18	XX – X1657
—	# 12	—	31.75	19.84	23.83	4.37	3.96	XX – X1658
# 16	—	—	32.54	25.40	24.61	4.37	3.18	XX – X1434
—	—	# 18	33.32	28.58	27.00	5.16	3.18	XX – X1659
—	# 14	—	34.14	22.23	26.19	4.37	3.96	XX – X1660
# 18	—	—	34.93	28.58	27.00	5.16	3.18	XX – X1439
—	—	# 20	37.31	32.54	29.36	3.96	3.18	XX – X1448
—	# 16	—	36.53	25.40	28.58	4.37	3.96	XX – X1661
# 20	—	—	38.10	31.75	29.36	5.16	3.18	XX – X1455
—	# 18	—	38.51	28.58	30.56	4.37	3.96	XX – X1662
—	—	# 22	39.70	34.93	31.75	3.30	3.96	XX – X1461
# 22	—	—	41.28	34.93	31.75	5.16	3.18	XX – X1465
—	# 20	—	42.47	31.75	32.94	4.37	4.75	XX – X1663
—	—	# 24	42.88	38.10	34.93	3.96	3.96	XX – X1664
# 24	—	—	44.45	38.10	34.93	5.16	3.18	XX – X1480
—	# 22	—	44.45	34.93	34.93	4.37	4.75	XX – X1478
—	# 24	—	47.63	38.10	38.10	4.37	4.75	XX – X1665
# 28	—	—	50.80	44.45	39.70	5.16	3.18	XX – X1491
# 32	—	—	57.15	50.80	44.45	5.56	—	XX – X1496
# 36	—	—	63.50	55.58	49.23	5.56	3.18	XX – X1505
# 40	—	—	69.85	61.93	55.58	5.56	3.18	XX – X1509
# 44	—	—	76.20	70.64	60.33	5.56	3.18	XX – X1144
# 48	—	—	82.55	76.99	66.68	5.56	2.77	XX – X1148
射频连接器								
BN & BNC			17.45	11.10	12.70	2.54	2.36	XX – X1402
C & N			25.40	15.88	18.26	4.37	3.18	XX – X1411
HN			30.18	19.05	23.01	3.96	3.56	XX – X1422
UHF			32.54	25.40	24.61	4.37	3.18	XX – X1434
LC			50.50	31.75	36.50	6.73	7.14	XX – X1666

表2 常用的连接器尺寸和产品编号　　　　　　　　　　单位:inch[mm]

衬垫尺寸 A ±.015 0.38	B ±.015 0.38	C ±.015 0.38	D ±.015 0.38	R ±015 0.38	产品编号
.687[17.45]	.348[8.84]	.500[12.70]	.100[2.54]	.093[2.36]	XX－X1400
.687[17.45]	.348[8.84]	.500[12.70]	.109[2.77]	.093[2.36]	XX－Xl401
.687[17.45]	.437[11.10]	.500[12.70]	.109[2.77]	–	XX－X1403
.750[19.05]	.375[9.53]	–	–	.062[1.57]	XX－X14O4
.750[19.05]	.500[12.70]	–	–	–	XX－X1405
.800[20.32]	.440[11.18]	.500[12.70]	.120[3.05]	.150[3.81]	XX－X1406
.812[20.62]	.385[9.53]	.500[12.70]	.128[3.25]	–	XX－X1407
.875[22.23]	.531[13.49]	.594[15.09]	.120[3.05]	.062[1.57]	XX－X1409
.953[24.21]	.609[15.47]	.719[18.26]	.120[3.05]	.125X45° [3.18X45°]	XX－X1410
1.000[25.40]	.656[16.66]	.719[18.26]	.120[3.05]	.125[3.18]	XX－X1110
1.000[25.40]	.703[17.86]	.719[18.26]	.156[3.96]	–	XX－X1412
1.031[26.19]	.719[18.26]	.719[18.26]	.130[3.30]	.156[3.96]	XX－X1413
1.094[27.79]	.750[19.05]	.812[20.62]	.150[3.81]	.140[3.56]	XX－X1414
1.094[27.79]	.781[19.84]	.812[20.62]	.120[3.05]	.125[3.18]	XX－X1416
1.094[27.79]	.875[22.23]	.812[20.62]	.143[3.63]	–	XX－X1417
1.125[28.58]	.750[19.05]	.812[20.62]	.156[3.96]	.125[3.18]	XX－X1419
1.160[29.46]	.925[23.50]	.906[23.01]	.125[3.18]	–	XX－X1420
1.188[30.18]	.984[25.00]	.812[20.62]	.156[3.96]	.125[3.18]	XX－X1421
1.188[30.18]	.906[23.01]	.906[23.01]	.120[3.05]	.140[3.56]	XX－X1114
1.188[30.18]	.938[23.83]	.906[23.01]	.120[3.05]	.141[3.58]	XX－X1424
1.188[30.18]	.950[24.13]	.906[23.01]	.120[3.05]	.125[3.18]	XX－X1425
1.188[30.18]	1.000[25.40]	.969[24.61]	.065[1.65]	–	XX－X1426
1.203[30.58]	.875[22.23]	.906[23.01]	.125[3.18]	.063X45° [1.60X45°]	XX－X1427
1.250[31.75]	.875[22.23]	.938[23.83]	.156[3.96]	.125[3.18]	XX－X1428
1.265[32.13]	.875[22.23]	–	–	–	XX－X1429
1.265[32.13]	.937[23.80]	.906[23.01]	.140[356]	–	XX－X1430
1.266[32.16]	.781[19.84]	.938[23.83]	.125[3.18]	–	XX－X1431
1.281[32.54]	.875[22.23]	.969[24.61]	.150[3.81]	.160[4.06]	XX－X1432
1.281[32.54]	.875[22.23]	.969[24.61]	.146[3.71]	.188[4.78]	XX－X1433
1.281[32.54]	1.031[26.19]	.969[24.61]	.120[3.05]	.125[3.18]	XX－X1l16
1.281[32.54]	1.063[27.00]	969[24.61]	.120[3.05]	.156[3.96]	XX－X1435
1.344[34.14]	1.000[25.40]	1.031[26.19]	.156[3.96]	.125[3.18]	XX－X1436
1.360[34.54]	.870[22.10]	1.030[26.16]	.120[3.05]	.120[3.05]	XX－X1437
1.375[34.93]	1.000[25.40]	1.063[27.00]	.128[3.25]	.156[3.96]	XX－X1438
1.375[34.93]	1.156[29.36]	1.063[27.00]	.120[3.05]	.188[4.76]	XX－X1l18
1.375[34.93]	1.188[30.18]	1.063[27.00]	.120[3.05]	.156[3.96]	XX－X1440
1.375[34.93]	1.000[25.40]	1.062[26.97]	.166[4.22]	.166[4.22]	XX－X1441
1.375[34.93]	1.000[25.40]	–	–	–	XX－X1442
1.406[35.71]	1.000[25.40]	1.000[25.40]	.177[4.50]	.201[5.11]	XX－X1443
1.406[35.71]	1.125[28.58]	1.062[26.97]	.149[3.78]	.125[3.18]	XX－X1444
1.437[36.49]	1.062[26.97]	1.125[28.58]	.156[3.96]	.156[3.96]	XX－X1445
1.437[36.49]	1.125[28.58]	1.125[28.58]	.156[3.96]	.125[3.18]	XX－X1446
1.437[36.49]	1.250[31.75]	1.188[30.18]	.125[3.18]	.125[3.18]	XX－X1447
1.469[36.49]	1.312[33.32]	1.188[30.18]	.125[3.18]	.156[3.96]	XX－X1449
1.500[38.10]	.875[22.23]	1.062[26.97]	.177[4.50]	–	XX－X1450
1.500[38.10]	1.000[25.40]	1.125[28.58]	.188[4.78]	–	XX－X1451
1.500[38.10]	1.031[26.19]	1.125[28.58]	.173[4.39]	.188[4.78]	XX－X1452
1.500[38.10]	1.140[28.96]	1.156[29.36]	.120[3.05]	.171[4.34]	XX－X1453

衬垫尺寸 A ±.015 0.38	B ±.015 0.38	C ±.015 0.38	D ±.015 0.38	R ±015 0.38	产品编号
1.500[38.10]	1.219[30.96]	1.156[29.36]	.156[3.96]	.171[4.34]	XX－X1454
1.500[38.10]	1.281[32.54]	1.156[29.36]	.120[3.05]	.187[4.75]	XX－X1120
1.500[38.10]	1.240[31.50]	1.160[29.46]	.156[3.96]	.160[4.06]	XX－X1456
1.500[38.10]	1.344[34.14] *	1.188[30.18]	.171[4.34]	.187[4.75]	XX－X1457
1.516[38.51]	1.250[31.75]	1.203[30.56]	.156[3.96]	.125[3.18]	XX－X1458
1.516[38.51]	1.125[28.58]	–	–	–	XX－X1459
1.531[38.89]	1.156[29.36]	1.203[30.56]	.125[3.18]	–	XX－X1460
1.594[40.49]	1.312[33.32]	1.250[31.75]	.173[4.39]	–	XX－X1462
1.594[40.49]	1.406[35.71]	1.250[31.75]	.141[3.58]	.125[3.18]	XX－X1463
1.625[41.28]	1.375[34.93]	1.250[31.75]	.171[4.34]	.188[4.78]	XX－X1464
1.625[41.28]	1.406[35.71]	1.250[31.75]	.120[3.05]	.125[3.18]	XX－X1466
1.625[41.28]	1.437[36.50]	1.250[31.75]	.120[3.05]	.187[4.75]	XX－X1467
1.640[41.66]	1.250[31.75]	–	–	.35X45° [8.89X45°]	XX－X1468
1.672[42.47]	1.375[34.93]	1.297[32.94]	.125[3.18]	.125[3.18]	XX－X1469
1.688[42.88]	1.385[35.18]	1.297[32.94]	.150[3.81]	–	XX－X1470
1.688[42.88]	1.375[34.93]	1.297[32.94]	.150[3.81]	.181[4.60]	XX－X1471
1.687[42.85]	1.312[33.32]	1.312[33.32]	.156[3.96]	.156[3.96]	XX－X1472
1.735[44.09]	1.560[39.62]	1.312[33.32]	.125[3.18]	.200[5.59]	XX－X1473
1.470[44.20]	1.439[36.55]	1.312[33.32]	.136[3.45]	–	XX－X1474
1.750[44.45]	1.281[32.54]	1.297[32.94]	.173[4.39]	.226[5.74]	XX－X1475
1.750[44.45]	1.562[39.67]	1.312[33.32]	.140[3.56]	.125[3.18]	XX－X1476
1.750[44.45]	1.500[38.10]	1.312[33.32]	.125[3.18]	.156[3.96]	XX－X1477
1.750[44.45]	1.500[38.10]	1.375[34.92]	.125[3.18]	.125[3.18]	XX－X1479
1.750[44.45]	1.531[38.89]	1.375[34.92]	.147[3.73]	.125[3.18]	XX－X1124
1.750[44.45]	1.500[38.10]	1.375[34.92]	.109[2.77]	.188[4.78]	XX－X1481
1.781[45.24]	1.594[40.49]	1.438[36.53]	.136[3.45]	.062[1.57]	XX－X1482
1.800[45.72]	1.440[36.58]	1.380[35.05]	.204[5.18]	.093[2.36]	XX－X1483
1.812[46.02]	1.560[39.62]	1.312[33.32]	.125[3.18]	.250[6.35]	XX－X1484
1.812[46.02]	1.375[34.93]	–	–	–	XX－X1485
1.875[47.63]	1.625[41.28]	1.500[38.10]	.156[3.96]	.125[3.18]	XX－X1486
1.875[47.63]	1.531[38.89]	1.375[34.92]	.109[2.77]	.250[6.35]	XX－X1487
1.950[49.53]	1.500[38.10]				XX－X1488
2.000[50.80]	1.437[36.50]	1.437[36.50]	.257[6.53]	.125[3.18]	XX－X1489
2.000[50.80]	39.80[1.567]	1.437[38.50]	.257[6.53]	.125[3.18]	XX－X1490
2.000[50.80]	1.781[45.24]	1.563[39.70]	.147[3.73]	.218[5.54]	XX－X1128
2.000[50.80]	1.781[45.24]	1.563[39.70]	.188[4.76]	.125[3.18]	XX－X1492
2.070[52.58]	1.625[41.28]	–	–	–	XX－X1493
2.125[53.98]	1.688[42.88]	1.688[42.88]	.195[4.95]	.218[5.54]	XX－X1494
2.250[57.15]	1.843[46.81]	1.750[44.45]	.219[5.56]	–	XX－X1495
2.250[57.15]	2.000[50.80]	1.750[44.45]	.219[5.56]	.125[3.18]	XX－X1497
2.250[57.15]	2.031[51.59]	1.750[44.45]	.173[4.39]	.125[3.18]	XX－X1498
2.250[57.15]	2.031[51.59]	1.750[44.45]	.219[5.56]	.125[3.18]	XX－X1499
2.281[57.94]	2.015[51.18]	1.688[42.88]	.219[5.56]	.125[3.18]	XX－X1500
2.375[60.33]	2.032[51.61]	1.688[42.88]	.125[3.18]	.250[6.35]	XX－X1501
2.500[63.50]	1.250[31.75]	1.750[44.45]	.312[7.92]	–	XX－X1502
2.500[63.50]	1.625[41.28]	1.750[44.45]	.312[7.92]	–	XX－X1503
2.500[63.50]	2.250[57.15]	1.852[47.04]	.177[4.50]	.312[7.92]	XX－X1504
2.500[63.50]	2.281[57.94]	1.983[49.23]	.173[4.39]	.093[2.36]	XX－X1136

衬垫尺寸						衬垫尺寸					
A ±.015 0.38	B ±.015 0.38	C ±.015 0.38	D ±.015 0.38	R ±015 0.38	产品编号	A ±.015 0.38	B ±.015 0.38	C ±.015 0.38	D ±.015 0.38	R ±015 0.38	产品编号
2.500[63.50]	2.281[57.94]	1.983[49.23]	.281[7.14]	.093[2.36]	XX – X1506	3.265[82.93]	3.035[77.09]	2.531[64.29]	.296[7.52]	.312[7.92]	XX – X1515
2.625[66.68]	2.188[55.58]	2.093[53.16]	.221[5.61]	.266[6.76]	XX – X1507	3.281[83.34]	3.015[76.58]	2.531[64.29]	.281[7.14]	.125[3.18]	XX – X1516
2.690[68.33]	2.250[57.15]	2.250[57.15]	.201[5.11]	.125X45° [3.18X45°]	XX – X1508	3.375[85.73]	2.138[79.71]	2.475[62.87]	.166[4.22]	1.000[25.40]	XX – X1517
						3.812[96.82]	3.125[79.38]	3.250[82.55]	.312[7.92]	–	XX – X1518
2.750[69.85]	2.531[64.29]	2.188[55.58]	.173[4.39]	.125[3.18]	XX – X1140	4.000[101.60]	2.000[50.80]	3.000[72.20]	.281[7.14]	–	XX – X1519
2.750[69.85]	2.531[64.29]	2.234[56.74]	.173[4.39]	.26X45° [6.60X45°]	XX – XI510	4.000[101.60]	2.938[74.63]	3.375[85.73]	.180[4.57]	.312[7.92]	XX – X1520
2.765[70.23]	2.515[63.88]	2.085[52:96]	.236[5.99]	.250[6.60]	XX – X1511	4.500[114.30]	3.000[76.20]	3.800[96.52]	.250[6.35]	.35X45° [8.89X45°]	XX – X1521
2.781[70.64]	2.500[63.50]	2.234[56.74]	.166[4.22]	FULL	XX – X1512	4.500[114.30]	4.000[101.60]	3.875[98.43]	.281[7.14]	.312[7.92]	XX – X1522
2.875[73.03]	2.531[64.29]	2.094[53.19]	.138[3.51]	.250[6.60]	XX – XI513	4.625[117.48]	3.888[98.76]	–	–	–	XX – XI523
2.875[73.03]	2.500[63.50]	2.500[63.50]	.154[3.91]	.188[4.78]	XX – XI514						

＊用"说明"中适当的材料,字首代替上面 TECKNIT 定货号中的"XX – X"可组成完整的 TECKNIT 产品编号。

表 3 常规连接器衬垫   单位:inch[mm]

连接壳尺寸		衬垫尺寸						
MIL – C – 38999		A ±.015 [0.38]	B +.020 – .000[0.38]	C ±.01 5[0.38]	D ±.015 [0.38]	R ±.015 [0.38]	E＊＊ ±.015 [0.38]	产品编号
号码	系列							
8	II	.840[21.34]	.630[16.00]	.594[15.09]	.135[3.43]	.125[3.18]		XX – X1616
9	I	.965[24.51]	.750[19.05]	.719[18.26]	.135[3.43]	.125[3.18]		XX – X1617
9A	III	.965[24.51]	.750[19.05]	.719[18.26]	.135[3.43]	.125[3.18]	.222[5.64]	XX – X1640
10	II	.965[24.51]	.750[19.05]	.719[18.26]	.135[3.43]	.125[3.18]		XX – X1617
11	I & IV	1.060[26.92]	.875[22.23]	.812[20.62]	.141[3.58]	.125[3.18]		XX – X1618
11B	III	1.060[26.92]	.875[22.23]	.812[20.62]	.141[3.58]	.125[3.18]	.206[5.23]	XX – X1641
12	II	1.060[26.92]	.875[22.23]	.812[20.62]	.141[3.58]	.125[3.18]		XX – XI618
13	1IV	1.153[29.29]	1.005[25.53]	.906[23.01]	.135[3.43]	.125[3.18]		XX – X1619
13C	III	1.153[29.29]	1.005[25.53]	.906[23.01]	.135[3.43]	.125[3.18]	.206[5.23]	XX – X1642
14	II	1.153[29.29]	1.005[25.53]	.906[23.01]	.135[3.43]	.125[3.18]		XX – X1619
15	1 & IV	1.258[31.95]	1.135[28.83]	.969[24.61]	.156[3.96]	.141[3.58]		XX – X1620
15D	III	1.258[31.95]	1.135[28.83]	.969[24.61]	.156[3.96]	.141[3.581]	.206[5.23]	XX – X1643
16	II	1.258[31.95]	1.135[28.83]	.969[24.61]	.156[3.96]	.141[3.58]		XX – X1620
17	I & IV	1.351[34.32]	1.260[32.00]	1.062[26.97]	.156[3.96]	.141[3.58]		XX – X1621
17E	III	1.351[34.32]	1.260[32.00]	1.062[26.97]	.156[3.96]	.141[3.58]	.222[5.64]	XX – X1644
18	II	1.351[34.32]	1.260[32.00]	1.062[26.97]	.156[3.96]	.141[3.58]		XX – X1621
19	IIV	1.500[38.10]	1.375[34.93]	1.156[29.36]	.141[3.58]	.172[4 37]		XX – X1622
19F	III	1.500[38.10]	1.375[34.93]	1.156[29.36]	.141[3.58]	.172[4 37]	.206[5.23]	XX – X1645
20	II	1.500[38.10]	1.375[34.93]	1.156[29.36]	.141[3.58]	.172[4 37]		XX – X1622
21	I & IV	1.625[41.28]	1.500[38.10]	1.250[31.75]	.141[3.58]	.188[4.78]		XX – X1623
21G	III	1.625[41.28]	1.500[38.10]	1.250[31.75]	.141[3.58]	.188[4.78]	.206[5.23]	XX – X1646
22	II	1.625[41.28]	1.500[38.10]	1.250[31.75]	.141[3.58]	.188[4.78]		XX – X1623
23	I & IV	1.750[44.45]	1.625[41.28]	1.375[34.93]	.172[4.37]	.188[4.78]		XX – X1624
23H	III	1.750[44.451]	1.625[41.28]	1.375[34.93]	.172[4.37]	.188[4.78]	.259[6.58]	XX – X1647
24	II	1.750[44.45]	1.625[41.28]	1.375[34.93]	.172[4.37]	.188[4.78]		XX – X1624
25	I & IV	1.875[47.63]	1.750[44.45]	1.500[38.10]	.172[4.37]	.188[4.78]		XX – X1625
25J	III	1.875[47.63]	1.750[44.45]	1.500[38.10]	.172[4.37]	.188[4.78]	.259[6.58]	XX – X1648

＊用说明中适当的材料字首替代上面 TECKNIT 订货号的"XX – X"可组成完整的产品编号
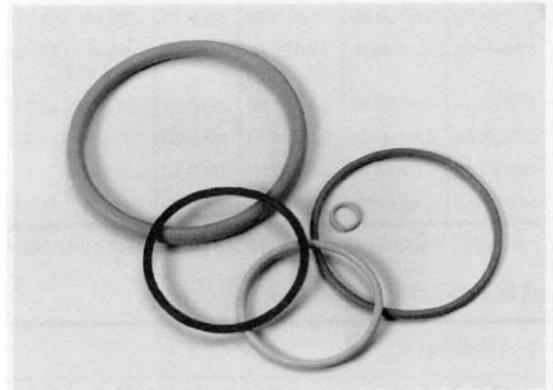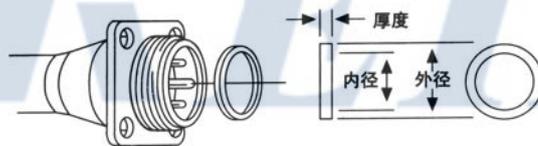
＊＊仅系列Ⅲ需要,由 TECKNIT 决定,将尺寸"E"通过孔洞"B"开缝。

O 型导电密封圈

O 型导电密封圈由弹性导电橡胶制成。有各种材质和截面形状。可以提供良好的导电性、屏蔽性、水密、汽密和压力密封作用。只要应用在密封面相对静止的环境中。如连接器与壳体的连接处，锁紧螺母与界面的密封、波导法兰盘界面密封、金属帽密封和对密封螺钉进行水汽密封。

技术指标：

O 型圈直径	槽深（±0.07mm）	槽宽（±0.07mm）
1.78mm	1.40mm	2.03mm
2.62mm	2.06mm	2.97mm

标准材料	体电阻（ohm-cm）
玻璃镀银导电橡胶	0.01
铜镀银导电橡胶	0.004
铜镀银导电橡胶	0.005
铝镀银导电橡胶	0.008

界面密封：

连接器外壳		尺　　寸 inch[mm]						
MIL－C－26482	MIL－C－5015	内径±0.25	外径±0.25	T±0.13	ConsilⅡ842	Consil－C871	Consil－C873	Consil－A895
＃8		.319[8.10]	.422[10.72]	.075[1.91]	84－30220	87－30220	87－30320	89－50220
	＃8	.328[8.33]	.391[9.93]	.030[0.76]	84－30221	87－30221	87－30321	89－50221
＃10		.447[11.35]	.550[13.97]	.075[1.91]	84－30222	87－30222	87－30322	89－50222
	＃10	.406[10.31]	.469[11.91]	.030[0.76]	84－30223	87－30223	87－30323	89－50223
＃12		.547[13.89]	.703[17.86]	.075[1.91]	84－30224	87－30224	87－30324	89－50224
	＃12	.531[13.49]	.594[15.09]	.030[0.76]	84－30225	87－30225	87－30325	89－5O225
＃14		.671[17.04]	.828[21.03]	.075[1.91]	84－30226	87－30226	87－30326	89－50226
	＃14	.641[16.28]	.700[17.78]	.030[0.76]	84－30227	87－30227	87－30327	89－50227
＃16		.797[20.24]	.953[24.21]	.075[1.91]	84－30228	87－30228	87－30328	89－50228
	＃16	.781[19.84]	.844[21.44]	.030[0.76]	84－30229	87－30229	87－30329	89－50229
＃18		.891[22.63]	1.047[26.59]	.075[1.91]	84－30230	87－30230	87－30330	89－50230
	＃18	.891[22.63]	.953[24.21]	.030[0.76]	84－30231	87－30231	87－30331	89－50231
＃20		1.039[26.39]	1.172[29.77]	.075[1.91]	84－30232	87－30232	87－30332	89－50232
	＃20	.984[24.99]	1.047[26.59]	.030[0.76]	84－30233	87－30233	87－30333	89－50233
＃22		1.141[28.98]	1.297[32.94]	.075[1.91]	84－30234	87－30234	87－30334	89－5O234
	＃22	1.109[28.17]	1.172[29.77]	.030[0.76]	84－30235	87－30235	87－30335	89－50235
＃24		1.266[32.16]	1.322[36.12]	.075[1.91]	84－30236	87－30236	87－30336	89－50236
	＃24	1.219[30.96]	1.281[32.54]	.030[0.76]	84－30237	87－30237	87－30337	89－5O237
	＃28	1.455[36.96]	1.547[39.29]	.040[1.02]	84－30238	87－30238	87－3O338	89－50238
	＃32	1.672[42.47]	1.766[14.86]	.040[1.02]	84－30239	87－30239	87－30339	89－50239
	＃36	1.891[48.03]	1.984[50.39]	.040[1.02]	84－30240	87－30240	87－3034O	89－50240
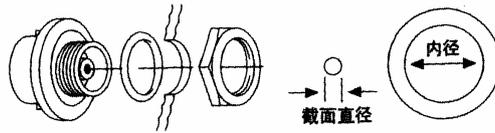
锁紧螺母和"O"型环密封

连接器外壳			尺　寸					
MIL－C－26482 MIL－C－38999	MIL－C－81511	适用于 MS－29513 虚线	内径 [0.25mm]	截面直径 [0.13mm]	Consil－Ⅱ842	Consil－C871	Consil－C873	Consil－A895
		－ 11	.301[7.65]	.070[1.78]	84－30200	87－30200	87－30400	89－50200
		－ 13	.426[10.82]	.070[1.78]	84－30201	87－30201	87－304O1	89－50201
		－ 14	.489[12.42]	.070[1.78]	84－30202	87－30202	87－30402	89－50202
＃6		－ 15	.551[14.00]	.070[1.78]	84－30203	87－30203	87－30403	89－50203
＃8		－ 17	.676[17.17]	.o7o[1.78]	84－302O4	87－30204	87－30404	89－50204
	＃8	－ 18	.739[18.77]	.070[1.78]	84－30205	87－30205	87－30405	89－50205
＃9,10		－ 19	.801[20.35]	.070[1.78]	84－30206	87－30206	87－30406	89－50206
	＃10	－ 20	.864[21.95]	.o7o[1.78]	84－30207	87－30207	87－30407	89－50207
＃11,12		－ 22	.989[25.12]	.070[1.78]	84－30208	87－30208	87－30408	89－50208
＃13,14	＃14	－ 24	1.114[28.30]	.o7o[1.78]	84－30209	87－30209	87－30409	89－50209
＃15,16	＃16	－ 26	1.239[31.47]	.070[1.78]	84－30210	87－3O21O	87－30410	89－50210
＃17,18	＃18	－ 28	1.364[34.65]	.070[1.78]	84－3021ì	87－30211	87－30411	89－50211
＃19,20			1.487[37.77]	.103[2.62]	84－30212	87－30212	87－30412	89－50212
＃21,22			1.612[40.94]	.103[2.62]	84－30213	87－30213	87－30413	89－50213
＃23,24			1.737[44.12]	.103[2.62]	84－30214	87－30214	87－30414	89－50214
＃25			1.862[47.30]	.103[2.62]	84－30215	87－30215	87－30415	89－50215

波导法兰衬垫

　　波导衬垫是由填有镀银颗粒的硅橡胶制成的具有高导电性和环境密封作用。扼流槽连接型法兰衬垫由铜镀银导电橡胶模压而成，截面有实芯圆型和实芯"D"形。平接法兰连接衬垫是由厚度为 0.69mm 的铜镀银导电橡胶冲切而成。铜镀银导电橡胶有延伸化的铜金属填充物，可清除冷形变。所有衬垫可重复使用，不会损坏法兰的金属面。
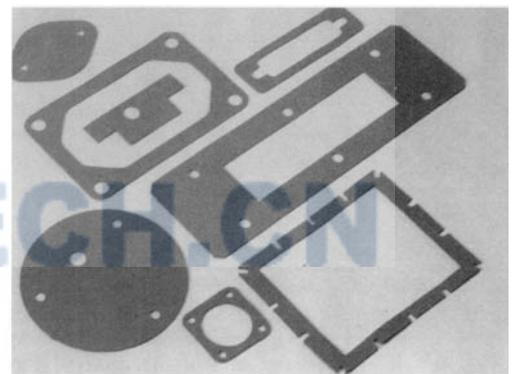
　　波导衬垫为设计者提供用于波导设备中的多数射频和压力密封衬垫，可用在 EMP 和 TEMPEST 场合。目前广泛地应用在军事、航空和航天领域内复杂的电子对抗、通讯、雷达和导航系统中。建议压缩变形为：长方形截面的压缩量为厚度的 7%-10% 圆形截面的压缩量为直径的 18%-20%；"D"形截面的压缩量为高度的 18%-20%。

技术指标：

材质	EMI 屏效				材料说明				
	100KHz dB	10MHz dB	1GHz dB	10GHz dB	填料	颜色	体电阻 ohm-cm	温度范围 ℃	延伸率
铜镀银 873	75	130+	115	110	铜镀银	灰	0.005	-45～125	100%
铜镀银 877	75	130+	115	110	铜镀银	红	0.007	-45～125	无

波导法兰衬垫总表

波导尺寸	波段	频率范围	法兰描述 GHz	法兰类型	衬垫类型	衬垫材料	产品号
WR28	Ka	26.5 40.0	UG－599/U	Cover	1	877	87－87000
			UG－600A/U	Choke	5	873	87－83000
WR42	K	18.0 26.5	UG－595/U UG－597/U	Cover	1	877	87－87001
			UG－596/U UG－598/U	Choke	5	873	87－83001
WR62	Ku	12.4 18.0	UG－419/U	Cover	1	877	87－87002
			UG－514/U	Choke	5	873	87－83002
WR90	X	8.2 12.4	UG－39/U UG－135/U	Cover	1	877	87－87003
			UG－1736/U UG－1737/U	Flat Contact	1	877	87－87004
			UG－136A/U UG－40A/U	Choke	5	873	87－83003
			UG－136B/U UG－40B/U	Choke	5	873	87－83004
			UG－1360/U UG－1361/U	Contact	3	873	87－83005
WR102		7.05/11.0	UG－1494/U	Choke	5	873	87－83006
WR112	X1	7.05 10.00	UG－51/U UG－138/U	Cover	1	877	87－87005
			UG－1734/U UG－1735/U	Flat Contact	1	877	87－87006
			UG－52B/U UG－137B/U	Choke	5	873	87－83007
			UG－1358B/U UG－1359B/U	Choke	3	873	87－83008
WR137	Xb	5.85 8.20	UG－344/U UG－441/U	Cover	2	877	87－87007
			UG－1732/U UG－1733/U	Flat Contact	1	877	87－87008
			UG－343B/U UG－400B/U	Choke	4	873	87－83009
			UG－1356/U UG－1357/U	Contact	3	873	87－83010
WR159		4.90 7.05	UG－1730/U UG－1731/U	Flat Contact	1	877	87－87009
WR187	C	3.95 5.85	UG－149A/U UG－407/U	Cover	2	877	87－87010
			UG－1728/U UG－1729/U	Flat Contact	1	877	87－87011
			UG－148C/U UG－406B/U	Choke	4	873	87－83011
			UG－1352/U UG－1353/U	Contact	3	873	87－83012

类型 1

类型 2

类型 3

类型 4

类型 5
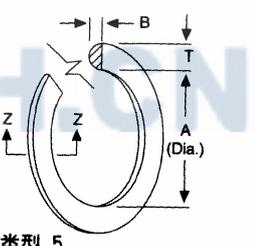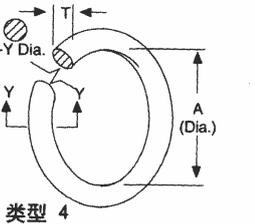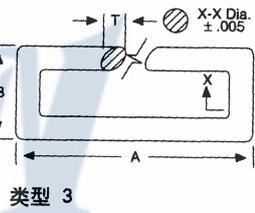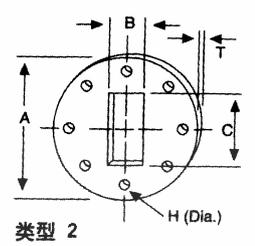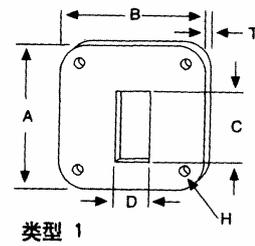
衬垫类型	表 2
1	模切方型
2	模切圆形
3	模压方型带有 O 形截面
4	模压圆型带有 O 形截面
5	模压圆型带有 D 形截面

续表

波导尺寸	波段	频率范围	法兰描述 GHz	法兰类型	衬垫类型	衬垫材料	产品号
WR284	S	2.60 3.95	UG – 53/U UG – 584/U	Cover	2	877	87 – 87012
			UG – 1724/U UG – 1725/U	Flat Contact	1	877	87 – 87013
			UG – 54B/U UG – 585A/U	Choke	5	873	87 – 83013
			UG – 1348/U UG – 1349/U	Contact	3	873	87 – 83014

表 3　类型 1 衬垫尺寸：　　　　　　　　　　　　　单位：inch[mm]

A ± 0.38	B ± 0.38, – 0	C ± 0.38, – 0	D ± 0.38, – 0	H ± 0.25	T ± 0.13	产品号
.750[19.05]	.750[19.05]	.145[3.68]	.285[7.24]	.116[2.95]	.027[0.69]	87 – 87000
.875[22.23]	.875[22.23]	.175[4.45]	.425[10.80]	.116[2.95]	.027[0.69]	87 – 87001
1.313[33.35]	1.313[33.35]	.630[16.00]	.320[8.13]	.140[3.56]	.027[0.69]	87 – 87002
1.625[41.28]	1.625[41.28]	.905[22.99]	.405[10.29]	.169[4.29]	.027[0.69]	87 – 87003
1.594[40.49]	2.094[53.19]	.405[10.29]	.905[22.99]	.169[4.29]	.027[0.69]	87 – 87004
1.875[47.63]	1,875[47.63]	1.130[28.70]	.505[12.83]	.180[4.57]	.027[0.69]	87 – 87005
1.750[44.45]	2,500[63.50]	.505[12.83]	1.130[28.70]	.171[4.34]	.02710.69]	87 – 87006
1.937[49.20]	2.687[68.25]	.633[16.08]	1.380[35.05]	.206[5.23]	.027[0.69]	87 – 87008
2.438[61.93]	3.188[80.98]	.805[20.45]	1,600[40.64]	.257[6.53]	.027[0.69]	87 – 87009
3.500[88.90][	2.500[63.50]	1.880[47.75]	.880[22.35]	.266[6.76]	.027[0.69]	87 – 87011
4.500[114.30]	3.000[76.20]	2.850[72.39]	1.350[34.29]	.266[6.76]	.027[0.69]	87 – 87013

表 4　类型 2 衬垫尺寸：　　　　　　　　　　　　　单位：mm

A ± 0.38	B ± 0.38, – 0	C ± 0.38, – 0	H ± 0.38	T ± 0.13	产品号
79.38	16.05	35.10	5.94	0.69	87 – 87007
92.08	22.40	47.80	5.94	0.69	87 – 87010
134.93	34.29	72.39	7.37	0.69	87 – 87012

表 5　类型 3 衬垫尺寸：　　　　　　　表 6　类型 4 衬垫尺寸：　单位：mm

A ± 0.38	B ± 0.38	T ± 0.13	产品号	A ± 0.25	T ± 0.13	产品号
34.75	22.05	2.62	87 – 83005			
41.05	25.17	2.62	87 – 83008			
47.40	28.35	2.62	87 – 83010	51.08	3.12	87 – 83009
62.20	36.80	3.53	87 – 83012	68.15	2.92	87 – 83011
87.66	49.56	3.53	87 – 83014			

表 7　类型 5 衬垫尺寸：　　　　　　　　　　　　　单位：mm

A ± 0.25	B ± 0.13	T ± 0.13	产品号
10.41	1.42	2.08	87 – 83000
14.91	1.22	1.98	87 – 83001
22.48	3.18	3.94	87 – 83002
34.04	2.24	2.41	87 – 83003
33.27	1.96	2.92	87 – 83004
25.36	2.16	2.41	87 – 83006
39.37	1.78	2.68	87 – 83007
99.31	4.76	6.10	87 – 83013