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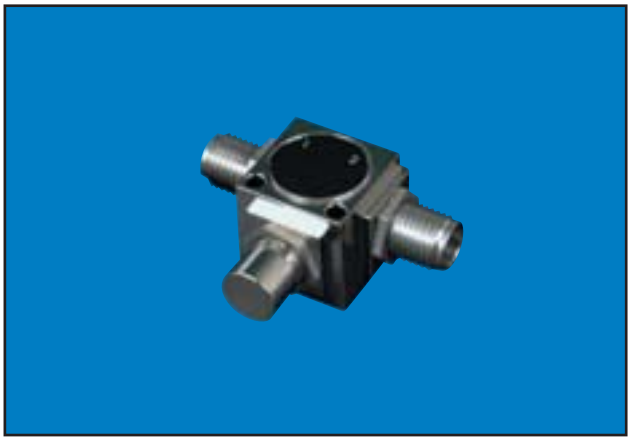
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Coaxial Isolators

- Magnetically Shielded
- SMA M/F Connectors Standard
- Ideal General Purpose Device
- Military, Space, and Commercial Applications
- Wide Operating Temperature
- Compact, Rugged Construction
- Rich Design Portfolio
- Extensive Program Heritage



Broadband Coaxial Isolator Specifications

Models in bold text are normally in stock for immediate delivery.

FREQUENCY (GHz)	MODEL NUMBER	ISOLATION (dB) MIN	INS LOSS (dB) MAX	VSWR MAX	OPERATING TEMP(°C)	PWR HANDLING PK/FWD/REV (W)	PACKAGE CODE
0.490 - 0.710	T049071/DB	19	0.50	1.25:1	0 to +50	1000 / 80 / 1	L1
0.950 - 1.225	T095012/DB	19	0.50	1.25:1	-25 to +85	1000 / 80 / 1	L1
1.000 - 2.000	T1020/DB	15	0.70	1.40:1	0 to +50	500 / 100 / 1	G1
2.000 - 4.000	T2040/DB	18	0.50	1.30:1	0 to +70	500 / 60 / 1	H1
2.000 - 6.000	T2060/DB	12	1.00	1.80:1	-10 to +60	500 / 10 / 1	H2
2.200 - 2.800	T2228/DB	21	0.30	1.20:1	-25 to +85	500 / 120 / 1	H1
2.600 - 5.200	T2652/DB	18	0.50	1.30:1	-25 to +85	500 / 60 / 1	H1
2.700 - 6.000	T2760/DB	16	0.60	1.45:1	-25 to +85	500 / 30 / 1	I1
2.800 - 3.800	T2838/DB	19	0.50	1.25:1	-25 to +85	500 / 80 / 1	I1
3.000 - 6.000	T3060/DB	18	0.50	1.40:1	-25 to +85	500 / 40 / 1	I1
3.000 - 6.600	T3066/DB	16	0.60	1.45:1	-25 to +85	500 / 30 / 1	I1
3.400 - 4.200	T3442/DC	21	0.30	1.20:1	-25 to +85	500 / 120 / 1	H1
3.400 - 4.200	T3442/DD	18	0.60	1.30:1	-25 to +85	500 / 60 / 1	J1
3.600 - 7.500	T3675/DB	21	0.50	1.20:1	-25 to +85	500 / 120 / 1	I1
3.700 - 8.000	T3780/DB	18	0.50	1.30:1	-25 to +85	500 / 60 / 1	I1
4.000 - 5.000	T4050/DB	21	0.40	1.20:1	0 to +70	500 / 120 / 1	I1
4.000 - 8.000	T4080/DG	18	0.50	1.30:1	-25 to +85	500 / 60 / 1	I1
5.000 - 10.000	T500100/DB	19	0.50	1.35:1	-25 to +85	500 / 50 / 1	I1
5.000 - 11.000	T500110/DB	14	0.50	1.50:1	-25 to +85	500 / 30 / 1	J1
6.000 - 12.000	T600120/DB	15	0.60	1.40:1	-25 to +85	500 / 40 / 1	I1
6.000 - 18.000	T600180/DB	12	1.10	1.70:1	-25 to +85	500 / 10 / 1	K1
6.500 - 18.000	T650180/DB	12	1.10	1.50:1	-25 to +85	500 / 30 / 1	K1
7.000 - 9.000	T7090/DB	21	0.40	1.20:1	-25 to +85	500 / 65 / 1	J1
7.000 - 10.000	T700100/DB	19	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
7.000 - 18.000	T700180/DB	12	0.90	1.65:1	-25 to +85	500 / 20 / 1	K1
7.500 - 18.000	T750180/DB	17	0.90	1.30:1	-25 to +85	500 / 60 / 1	J1
8.000 - 10.000	T800100/DD	22	0.50	1.20:1	-25 to +85	500 / 65 / 1	J1
8.000 - 12.400	T800124/DL	20	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1

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Coaxial Isolators

Broadband Coaxial Isolator Specifications

Models in bold text are normally in stock for immediate delivery.

FREQUENCY (GHz)	MODEL NUMBER	ISOLATION (dB) MIN	INS LOSS (dB) MAX	VSWR MAX	OPERATING TEMP(°C)	PWR HANDLING PK/FWD/REV (W)	PACKAGE CODE
8.000 - 16.000	T800160/DB	17	0.50	1.35:1	-25 to +85	500 / 50 / 1	J1
8.000 - 18.000	T800180/DB	14	0.50	1.50:1	-25 to +85	500 / 30 / 1	J1
8.000 - 20.000	T800200/DB	11	1.00	1.80:1	-25 to +85	500 / 10 / 1	J1
10.000 - 15.000	T100150/DB	21	0.40	1.20:1	-25 to +85	500 / 65 / 1	J1
12.000 - 15.000	T120150/DD	20	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
12.000 - 18.000	T120180/DF	19	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
12.000 - 20.000	T120200/DB	14	0.70	1.50:1	-25 to +85	500 / 30 / 1	J1
18.000 - 22.000	T180220/DB	18	0.70	1.30:1	-25 to +85	500 / 60 / 1	K2
18.000 - 26.500	T180265/DB	13	1.00	1.58:1	-25 to +85	500 / 20 / 1	K2

Narrowband Coaxial Isolator Specifications

FREQUENCY (GHz)	MODEL NUMBER	ISOLATION (dB) MIN	INS LOSS (dB) MAX	VSWR MAX	OPERATING TEMP(°C)	PWR HANDLING PK/FWD/REV (W)	PACKAGE CODE
0.390 - 0.450	T039045/DB	18	0.40	1.30:1	0 to +50	1000 / 60 / 1	G1
0.420 - 0.450	T042045/DB	18	0.40	1.30:1	0 to +50	1000 / 60 / 1	L1
0.800 - 0.960	T080096/DB	19	0.40	1.25:1	-25 to +85	1000 / 80 / 1	L1
0.850 - 0.950	T085095/DB	19	0.50	1.30:1	-25 to +85	1000 / 60 / 1	H1
1.000 - 1.100	T1011/DB	20	0.50	1.25:1	-25 to +85	1000 / 80 / 1	H1
1.200 - 1.400	T1214/DB	22	0.40	1.20:1	-25 to +85	1000 / 80 / 1	H1
1.435 - 1.535	T1415/DB	20	0.50	1.25:1	-25 to +85	1000 / 80 / 1	H1
1.500 - 1.600	T1516/DB	21	0.30	1.20:1	-25 to +85	1000 / 120 / 1	H1
1.600 - 1.800	T1618/DB	19	0.40	1.25:1	-25 to +85	1000 / 65 / 1	I1
1.800 - 2.100	T1821/DB	18	0.50	1.35:1	-25 to +85	1000 / 125 / 1	I1
2.000 - 2.330	T2023/DB	20	0.50	1.25:1	-25 to +85	500 / 80 / 1	I1
2.100 - 2.300	T2123/DB	23	0.50	1.15:1	-25 to +85	500 / 80 / 1	I1
2.200 - 2.300	T2223/DB	20	0.40	1.25:1	-25 to +85	500 / 80 / 1	I1
2.200 - 2.500	T2225/DB	19	0.50	1.25:1	-25 to +85	500 / 80 / 1	I1
2.500 - 2.700	T2527/DB	21	0.30	1.20:1	-25 to +85	500 / 120 / 1	I1
2.700 - 3.100	T2731/DB	23	0.40	1.15:1	-25 to +85	500 / 120 / 1	I1
3.000 - 3.500	T3035/DB	20	0.50	1.25:1	-25 to +85	500 / 80 / 1	I1
3.700 - 4.200	T3742/DB	19	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
4.200 - 4.400	T4244/DB	21	0.50	1.20:1	-25 to +85	500 / 65 / 1	J1
5.150 - 5.650	T5156/DB	21	0.40	1.20:1	-25 to +85	500 / 65 / 1	J1
5.400 - 5.900	T5459/DB	19	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
5.850 - 6.650	T5866/DB	21	0.30	1.20:1	-25 to +85	500 / 65 / 1	J1
6.500 - 7.200	T6572/DB	20	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
6.700 - 7.100	T6771/DB	21	0.30	1.20:1	-25 to +85	500 / 65 / 1	J1
6.710 - 7.420	T6774/DB	19	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
7.000 - 7.700	T7077/DB	20	0.50	1.20:1	-25 to +85	500 / 65 / 1	J1
7.825 - 8.475	T7884/DB	21	0.40	1.20:1	-25 to +85	500 / 65 / 1	J1
8.500 - 9.600	T8596/DB	21	0.30	1.20:1	-25 to +85	500 / 65 / 1	J1

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Coaxial Isolators

Narrowband Coaxial Isolator Specifications

FREQUENCY (GHz)	MODEL NUMBER	ISOLATION (dB) MIN	INS LOSS (dB) MAX	VSWR MAX	OPERATING TEMP(˚C)	PWR HANDLING PK/FWD/REV (W)	PACKAGE CODE
10.000 - 12.000	T100120/DD	20	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
10.500 - 11.300	T105113/DD	23	0.40	1.15:1	-25 to +85	500 / 65 / 1	J1
11.000 - 12.000	T110120/DB	21	0.40	1.20:1	-25 to +85	500 / 65 / 1	J1
11.000 - 12.790	T110127/DD	21	0.50	1.20:1	-25 to +85	500 / 65 / 1	J1
11.450 - 12.750	T114127/DA	23	0.30	1.15:1	-25 to +85	500 / 65 / 1	J1
12.000 - 12.800	T120128/DB	23	0.30	1.15:1	-25 to +85	500 / 65 / 1	J1
12.750 - 14.500	T127145/DB	23	0.40	1.15:1	-25 to +85	500 / 65 / 1	J1
13.000 - 15.000	T130150/DB	23	0.40	1.15:1	-25 to +85	500 / 65 / 1	J1
15.000 - 18.000	T150180/DF	20	0.50	1.20:1	-25 to +85	500 / 65 / 1	J1
19.440 - 21.500	T194215/DB	19	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
19.700 - 20.200	T197202/DE	21	0.50	1.20:1	-25 to +85	500 / 65 / 1	J1

Select-A-Frequency Coaxial Isolator Specifications

Refer to page 50 for Select-A-Frequency Instructions.

CENTER FREQUENCY(GHz)	MODEL NUMBER	BANDWIDTH (%)	ISOLATION (dB MIN)	INS LOSS (dB MAX)	VSWR MAX	OPERATING TEMP (˚C)	PWR HANDLING PK/FWD/REV (W)	PACKAGE CODE
0.500 - 0.700	T050070/S*D	5%	19	0.50	1.25:1	-20 to +70	1000 / 80 / 1	H1
0.700 - 1.000	T070010/S*B	5%	20	0.50	1.25:1	-25 to +85	1000 / 80 / 1	H1
1.000 - 1.300	T1013/S*B	10%	20	0.50	1.25:1	-25 to +85	1000 / 80 / 1	H1
1.300 - 1.650	T1316/S*C	10%	20	0.50	1.25:1	-25 to +85	1000 / 80 / 1	H1
1.300 - 1.650	T1316/S*D	10%	20	0.50	1.25:1	-25 to +85	1000 / 80 / 1	I1
1.650 - 2.000	T1620/S*D	10%	20	0.50	1.25:1	-25 to +85	1000 / 80 / 1	I1
2.000 - 2.500	T2025/S*D	10%	20	0.50	1.25:1	-25 to +85	500 / 80 / 1	I1
2.500 - 3.200	T2532/S*B	10%	20	0.50	1.25:1	-25 to +85	500 / 80 / 1	I1
3.000 - 3.800	T3038/S*B	10%	20	0.50	1.25:1	-25 to +85	500 / 80 / 1	I1
3.000 - 4.000	T3040/S*B	10%	20	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
3.600 - 5.000	T3650/S*B	10%	20	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
4.800 - 6.000	T4860/S*B	10%	20	0.50	1.25:1	-25 to +85	500 / 65 / 1	J1
6.000 - 8.000	T6080/S*B	15%	23	0.50	1.20:1	-25 to +85	500 / 65 / 1	J1
8.000 - 15.000	T800150/S*B	10%	23	0.50	1.20:1	-25 to +85	500 / 65 / 1	J1
15.000 - 18.000	T150180/S*B	10%	23	0.50	1.20:1	-25 to +85	500 / 65 / 1	J1

Specifications subject to change without notice.

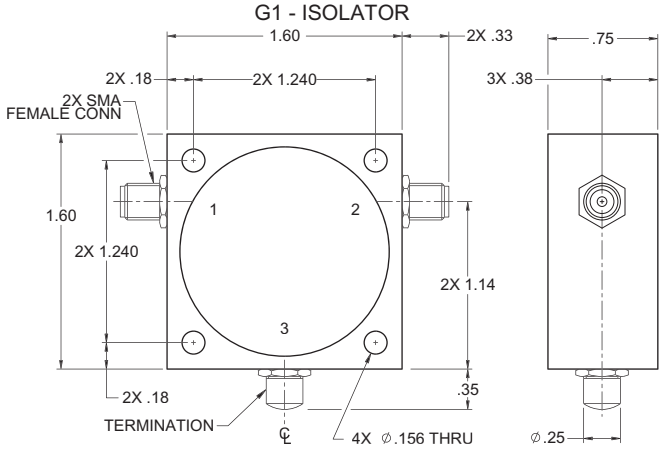
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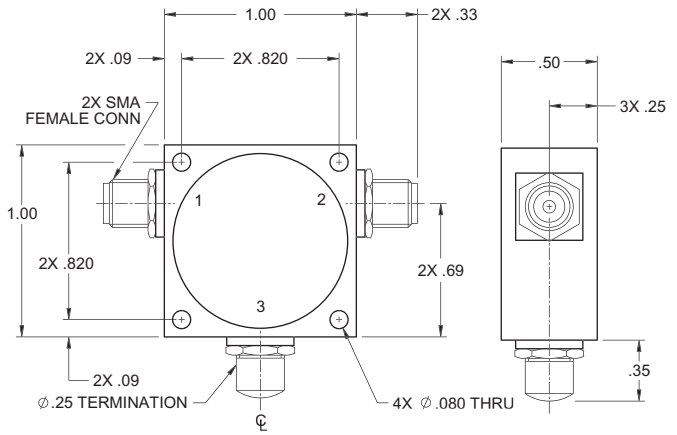
Coaxial Isolator Package Drawings

G1 - ISOLATOR



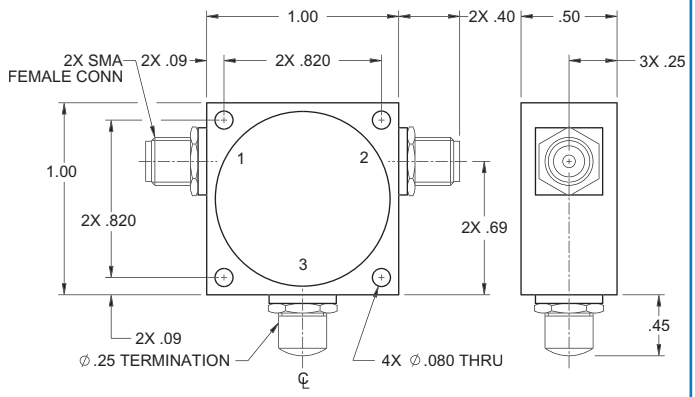
DIM = INCH MASS = 7 oz MAX

H1 - ISOLATOR



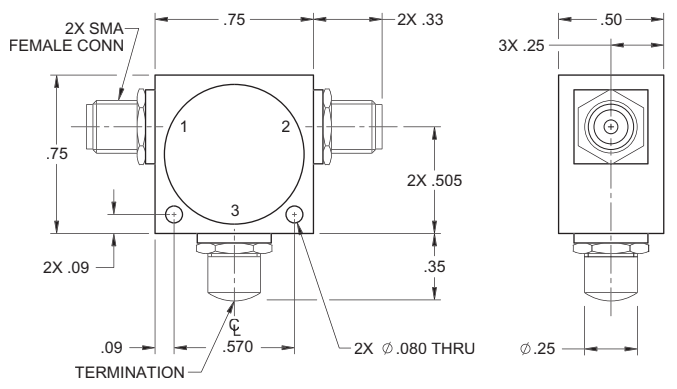
DIM = INCH MASS = 2.2 oz MAX

H2 - ISOLATOR



DIM = INCH MASS = 2.2 oz MAX

I1 - ISOLATOR



DIM = INCH MASS = 1.3 oz MAX

Specifications subject to change without notice.

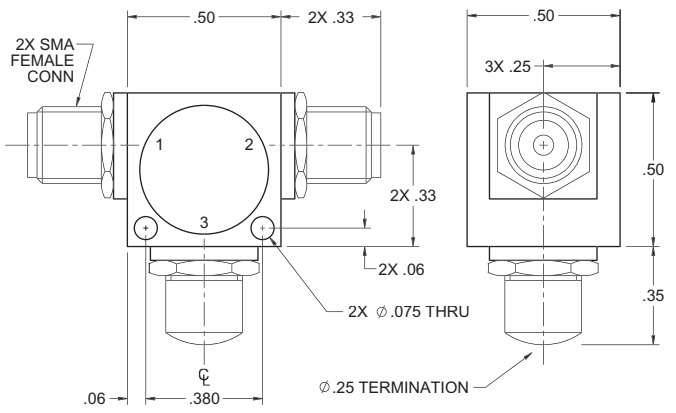
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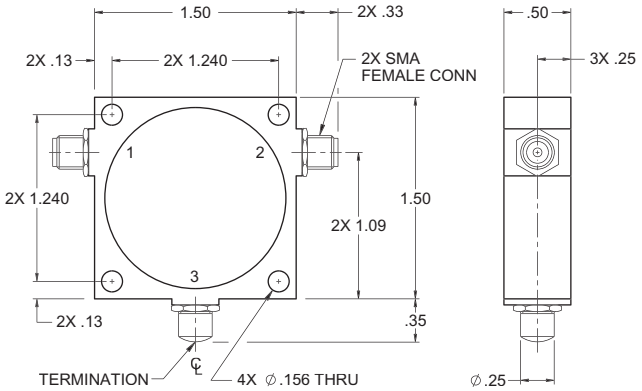
Coaxial Isolator Package Drawings

J1 - ISOLATOR



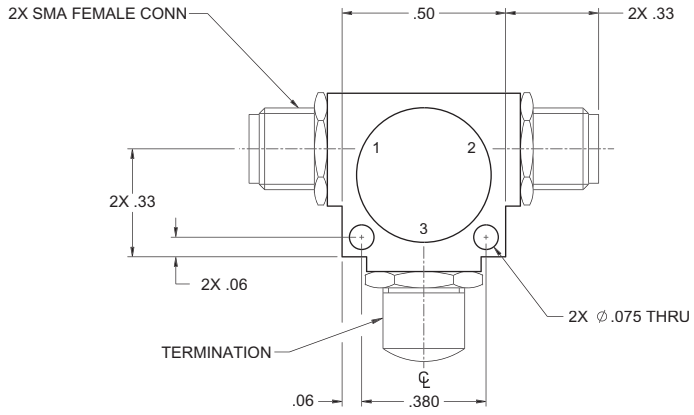
DIM = INCH MASS = .67 oz MAX

L1 - ISOLATOR

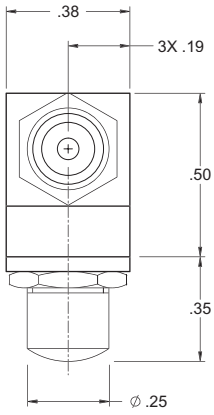


DIM = INCH MASS = 4.6 oz MAX

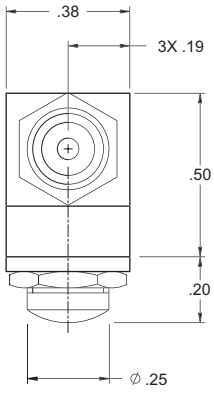
K - ISOLATOR



K1



K2



DIM = INCH MASS = .6 oz MAX

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Model Number Cross Reference

This cross reference is included for guidance only. Please be aware that model numbers selected from this catalog may differ slightly from those ordered from previous catalogs. All older TRAK model numbers continue to be supported and can be ordered by specifying the original part number.

Old Model	New Model	Topology	Page
19K3501	C2729/DA	DROP-IN	20
19N1401	C098010/DA	DROP-IN	20
19Q3501	C2527/DC	DROP-IN	20
20*0501	T050070/S*D	COAXIAL	5
20*0601	T070010/S*B	COAXIAL	5
20*1401	T1013/S*B	COAXIAL	5
20*1501	T1316/S*C	COAXIAL	5
20*1551	T1316/S*D	COAXIAL	5
20*1601	T1620/S*D	COAXIAL	5
20*2201	T150180/S*B	COAXIAL	5
20*3401	T2025/S*D	COAXIAL	5
20*3501	T2532/S*B	COAXIAL	5
20*3551	T3038/S*B	COAXIAL	5
20*3601	T3040/S*B	COAXIAL	5
20*6401	T3650/S*B	COAXIAL	5
20*6501	T4860/S*B	COAXIAL	5
20A0001	T042045/DB	COAXIAL	4
20A2441	T120150/DD	COAXIAL	4
20A2541	T120200/DB	COAXIAL	4
20A3851	T2760/DB	COAXIAL	3
20A8021	T180220/DB	COAXIAL	4
20AV3401	T2223/DB	COAXIAL	4
20B0151	T085095/DB	COAXIAL	4
20B1401	T1011/DB	COAXIAL	4
20B1551	T1415/DB	COAXIAL	4
20B1611	T1618/DB	COAXIAL	4
20B2201	T120180/DF	COAXIAL	4
20B2441	T150180/DF	COAXIAL	5
20B3501	T2731/DB	COAXIAL	4
20B3551	T3035/DB	COAXIAL	4
20B3602	T3742/DB	COAXIAL	4
20B6401	T4244/DB	COAXIAL	4
20B6501	T5459/DB	COAXIAL	4
20B9201	T800124/DL	COAXIAL	3
20B9461	T7884/DB	COAXIAL	4
20BC6501	T7077/DB	COAXIAL	4
20BS3401	T2123/DB	COAXIAL	4
20C1361	T095012/DB	COAXIAL	3
20CD311	42C177202/DA	WAVEGUIDE	37
20N6501	T6572/DB	COAXIAL	4
21CD301	34C275300/DA	WAVEGUIDE	37
22CD319	28C340360/DA	WAVEGUIDE	37
22CD324	28C275305/DC	WAVEGUIDE	37
22CP405	28CP345355/DB	WAVEGUIDE	37
22CP407	28CP275300/DB	WAVEGUIDE	37
22CP411	28CP345355/DA	WAVEGUIDE	37
23CP401	22CP435455/DA	WAVEGUIDE	37
29*0401	T050070/S*B	DROP-IN	16
29*0501	T070010/S*D	DROP-IN	16
29*1401	T1013/S*D	DROP-IN	16
29*1501	T1316/S*F	DROP-IN	16
29*1601	T1620/S*B	DROP-IN	16
29*2401	T120150/S*B	DROP-IN	16
29*2501	T150180/S*D	DROP-IN	16
29*3401	T2025/S*B	DROP-IN	16
29*3501	T2537/S*B	DROP-IN	16
29*6401	T3746/S*B	DROP-IN	16
29*6501	T4662/S*B	DROP-IN	16
29*6601	T6280/S*B	DROP-IN	16
29*9401	T800100/S*B	DROP-IN	16
29*9501	T100120/S*B	DROP-IN	16
29A0701	T042045/DD	DROP-IN	14
29A11001	T096012/DB	DROP-IN	13
29A11221	T1010/DC	DROP-IN	14
29A11731	T1011/DC	DROP-IN	14
29A1801	T1415/DD	DROP-IN	14
29A31281	T3742/DF	DROP-IN	14
29A31291	T3036/DB	DROP-IN	14
29A3301	T1214/DD	DROP-IN	14
29A3801	T3742/DE	DROP-IN	14
29A61521	T7075/DB	DROP-IN	14
29AG6501	T5459/DE	DROP-IN	14
29BM3501	T2729/DB	DROP-IN	14
29G6601	T5964/DC	DROP-IN	14
29T3401	T2223/DD	DROP-IN	14
29U6401	T4244/DF	DROP-IN	14
29W3501	T2527/DD	DROP-IN	14
50*2001	C800150/S*A	COAXIAL	10
50A1101	C1020/DA	COAXIAL	8
50A2001	C800160/DA	COAXIAL	9
50A2051	C800180/DA	COAXIAL	9
50A2171	C700180/DA	COAXIAL	8
50A2401	C800200/DA	COAXIAL	9
50A2601	C600180/DA	COAXIAL	8
50A2701	C650180/DA	COAXIAL	8
50A3001	C2040/DA	COAXIAL	8
50A3011	C2652/DA	COAXIAL	8
50A3401	C2060/DA	COAXIAL	8

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