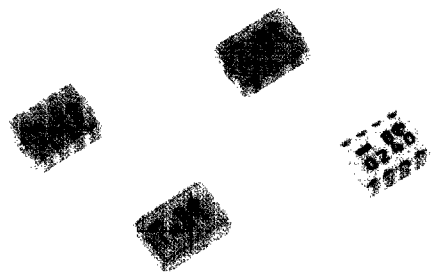
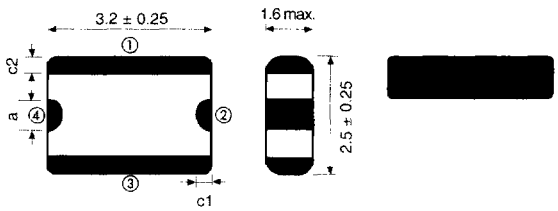


FEATURES

- Small size: see dimensions
- Metal shielding on inner chip
- No adjustment required
- Tape and reel packaging
- Reflow solderable
- Frequency request flexibility
- Frequency range from 200MHz to 2.5GHz

LFSN25N1 TYPE

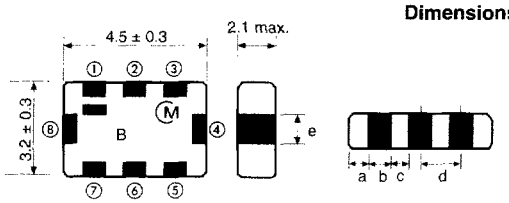
Dimensions: mm



Code	Dimensions	Code	Dimensions
a	0.6 ± 0.3	c2	0.1 min.
c1	0.1 min.	—	—

LFA30 TYPE

Dimensions: mm



Code	Dimensions	Code	Dimensions
a	0.4 min.	d	1.27 ± 0.2
b	0.4 min.	e	0.8 ± 0.3
c	0.4 min.	—	—

TERMINALS: LFSN25N1 TYPE

Terminal No.	Terminal Name
①	GROUND
②	OUT
③	GROUND
④	IN

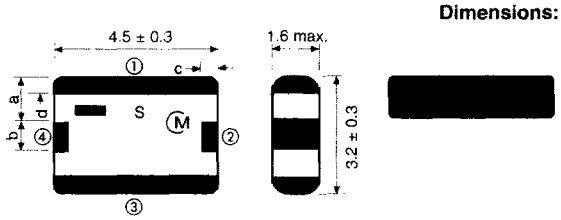
TERMINALS: LFA30 TYPE

Terminal No.	Terminal Name	Terminal No.	Terminal Name
①	NC	⑤	NC
②	GROUND	⑥	GROUND
③	NC	⑦	NC
④	OUT	⑧	IN

Terminal of "NC" should be fixed to non-conductive path.

LFSN30N1 TYPE

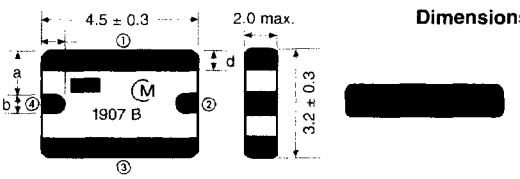
Dimensions: mm



Code	Dimensions	Code	Dimensions
a	0.9 min.	c	0.1 min.
b	0.8 ± 0.3	d	0.1 min.

LFJ30 TYPE

Dimensions: mm



Code	Dimensions
a	0.9 min.
b	0.8 ± 0.3
c	0.1 min.
d	0.1 min.

Weight ≈ .09g

TERMINALS: LFSN30N1 TYPE

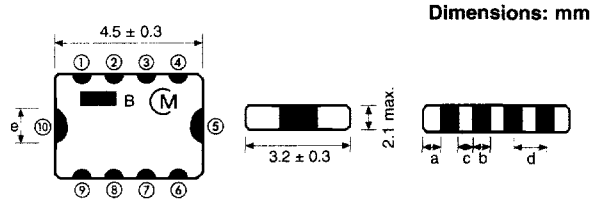
Terminal No.	Terminal Name
①	GROUND
②	OUT
③	GROUND
④	IN

TERMINALS: LFJ30 TYPE

Terminal No.	Terminal Name
①	GROUND
②	OUT
③	NC
④	IN

Terminal of "NC" should be fixed to non-conductive path.

LFL30 TYPE



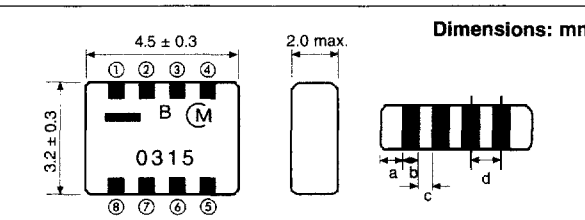
Code	Dimensions	Code	Dimensions
a	0.3 min.	d	1.0 ± 0.2
b	0.4 min.	e	0.8 ± 0.3
c	0.3 min.	—	—

TERMINALS: LFL30 TYPE

Terminal No.	Terminal Name	Terminal No.	Terminal Name
①	NC2	⑥	NC2
②	NC1	⑦	NC1
③	GROUND	⑧	GROUND
④	NC2	⑨	NC2
⑤	OUT	⑩	IN

Terminal of "NC1" should be fixed to non-conductive path.
Terminal of "NC2" should not be fixed any pattern.

LFB30N1 TYPE



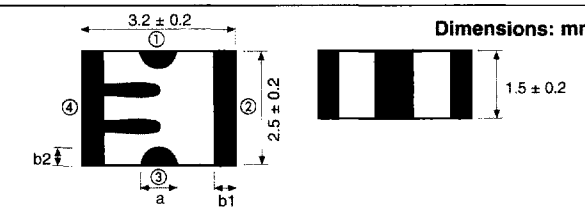
Code	Dimensions	Code	Dimensions
a	0.3 min.	c	0.3 min.
b	0.4 min.	d	1.0 ± 0.2

TERMINALS: LFB30N1 TYPE

Terminal No.	Terminal Name	Terminal No.	Terminal Name
①	IN	⑤	GROUND
②	NC2	⑥	NC1
③	NC2	⑦	NC1
④	OUT	⑧	GROUND

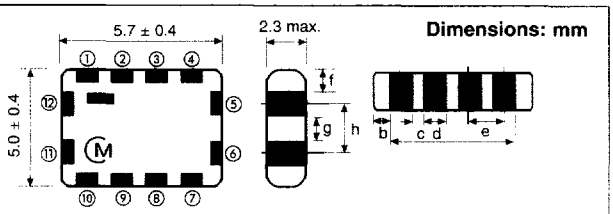
Terminal of "NC1" should be fixed to the no connected pattern.
Terminal of "NC2" should not be fixed any pattern.

LFSB25N1 TYPE



Code	Dimensions	Code	Dimensions
a	0.8 ± 0.2	b2	0.3 ± 0.2
b1	0.4 ± 0.3	—	—

LFM35 TYPE



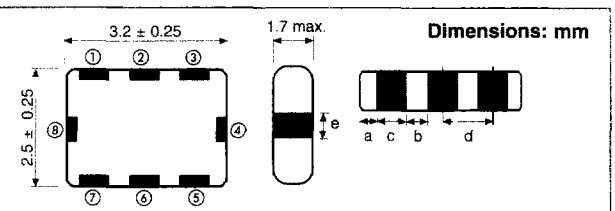
Code	Dimensions	Code	Dimensions
a	4.5 ± 0.3	e	1.27 ± 0.2
b	0.3 min.	f	0.7 min.
c	0.3 min.	g	1.6 min.
d	0.4 min.	h	2.54 ± 0.2

TERMINALS: LFM35 TYPE

Terminal No.	Terminal Name	Terminal No.	Terminal Name
①	NC	⑦	NC
②	NC	⑧	NC
③	GROUND	⑨	GROUND
④	NC	⑩	NC
⑤	GROUND	⑪	GROUND
⑥	OUT	⑫	IN

Terminal of "NC" should be fixed to the no connected pattern.

LFSC25 TYPE



Code	Dimensions	Code	Dimensions
a	0.1 min.	d	1.0 ± 0.2
b	0.25 min.	e	0.7 ± 0.3
c	0.35 min.	—	—

TERMINALS: LFSC25 TYPE

Terminal No.	Terminal Name	Terminal No.	Terminal Name
①	NC	⑤	NC
②	GROUND	⑥	GROUND
③	NC	⑦	NC
④	OUT	⑧	IN

Terminal of "NC" should be fixed to the no connected pattern.

TERMINALS: LFSB25N1 TYPE

Terminal No.	Terminal Name	Terminal No.	Terminal Name
①	IN	③	OUT
②	GROUND	④	GROUND

SPECIFICATIONS

System	Part Number	Frequency Range (MHz)	Insertion Loss at 25°C (dBmax.)	Insertion Loss at –30 ± 85°C (dBmax.)	VSWR	Attenuation (dBmin.)	Ripple (dB)
CELLULAR	LFA30-11B0836B025	836.5 ± 12.5	4.20	4.90	2.3 max.	9 at 869-894MHz	1.5
	LFA30-13B0836B025	836.5 ± 12.5	3.00	3.70	2.2 max.	20 at 952-977MHz	1
	LFA30-12B0836B025	836.5 ± 12.5	3.00	3.70	2.2 max.	20 at 914-939MHz	1
	LFA30-11B0881B025	881.5 ± 12.5	4.00	4.70	2.2 max.	7 at 824-849MHz, 9 at 914-939MHz	1.5
	LFA30-12B0881B025	881.5 ± 12.5	3.00	3.70	2.2 max.	20 at 804MHz, 20 at 959MHz	1
	LFL30-12C0881B025	881.5 ± 12.5	5.00	5.50	2.2 max.	8 at 824-849MHz, 25 at 959-984MHz	1.5
	LFA30-11B0926B025	926.5 ± 12.5	3.80	4.50	2.2 max.	7 at 869-894MHz	1.5
	LFA30-12B0926B025	926.5 ± 12.5	3.00	3.70	2.2 max.	18 at 824-849MHz	1
	LFA30-12B0964B025	964.5 ± 12.5	3.00	3.70	2.2 max.	18 at 869-894MHz	1
LMR	LFA30-11B0815B020	815 ± 10	4.00	4.70	2.2 max.	10 at 850-870MHz	1.5
	LFA30-12B0860B020	860 ± 10	3.00	3.70	2.2 max.	20 at 760-780MHz	1.5
	LFL30-12C0860B020	860 ± 10	4.50	5.00	2.2 max.	30 at 760-780MHz	1.5
PCS	LFSN30N15C1880B	1880 ± 30	2.20	2.50	2.0 max.	40 at 1400MHz, 40 at 1640MHz	1
	LFJ30-03B1880B060	1880 ± 30	3.00	3.50	2.0 max.	25 at 1640MHz	1.5
	LFJ30-03B1880BA60	1880 ± 30	2.50	3.00	2.0 max.	35 at 1400MHz	1.5
	LFJ30-03B1920BA140	1920 ± 70	2.50	3.00	2.0 max.	35 at 1440MHz	1.5
	LFSN30N15C1920B	1920 ± 10	2.00	2.30	2.0 max.	40 at fo-240MHz, 40 at fo-480MHz, 15 at fo+240MHz	0.5
	LFSB25N15C1920B	1920 ± 10	1.00	1.00	2.0 max.	20 at fo-240MHz, 35 at fo-480MHz, 15 at 2 x fo MHz, 20 at 3 x fo MHz	0.5
	LFSN30N15C1960B	1960 ± 30	2.50	2.80	2.0 max.	39 at 1520MHz, 16 at 1740MHz	1
	LFJ30-03B1960B060	1960 ± 30	3.00	3.50	2.0 max.	25 at 1720MHz	1.5
	LFJ30-03B1960BA60	1960 ± 30	2.50	3.00	2.0 max.	35 at 1480MHz	1.5
	LFJ30-03B1780B020	1780 ± 10	2.50	3.00	2.0 max.	25 at 2020MHz	1.5
SST	LFA30-12B0915B026	915 ± 13	2.80	3.50	2.2 max.	20 at 837.5MHz, 20 at 992.5MHz	1
	LFL30-12C0915B026	915 ± 13	4.50	5.00	2.2 max.	25 at 837.5MHz, 25 at 992.5MHz	1
	LFSN30N17C2450B	2450 ± 50	2.00	2.30	2.0 max.	40 at 1950MHz, 20 at 2250MHz	0.7
	LFJ30-03B2442B084	2442 ± 42	2.70	3.20	2.0 max.	20 at 2002MHz	1.5
	LFJ30-03B2442BA84	2442 ± 42	2.00	2.50	2.0 max.	30 at 1962MHz	1.5
	LFJ30-03B2484B026	2484 ± 13	2.70	3.20	2.0 max.	20 at 2244MHz	1.5
	LFJ30-03B2484BA26	2484 ± 13	2.00	2.50	2.0 max.	35 at 2004MHz	1.5
RKE	LFB30N12B0310B002	310 ± 1	3.50	4.20	—	25 at 378MHz, 25 at 512MHz	1
	LFSC25N12B0312B	312.25 ± 1	3.50	4.00	2.2 max.	26 at 249.8MHz, 26 at 374.7MHz	0.3
	LFSC25N12B0315B	315 ± 0	3.50	4.00	2.2 max.	30 at 235MHz, 30 at 395MHz	—
	LFSC25N13B0315B	315 ± 0.5	3.50	4.00	2.0 max.	45 at 180MHz, 29 at 470MHz	0.5
	LFSC25N12B0433B	433.9 ± 0	3.50	4.00	2.2 max.	28 at 353.9MHz, 28 at 513.9MHz	—
PAGER	LFM35-12C0280B010	280 ± 5	5.00	6.00	—	35 at 230MHz	1.5
	LFB30N12B0280B008	280 ± 4	4.00	4.70	—	24 at 235MHz	1
	LFSC25N12B0284B	284 ± 4	3.80	4.30	2.2 max.	31 at 220-228MHz, 23 at 340-348MHz	0.3
	LFB30N12B0284B008	284 ± 4	4.00	4.70	—	24 at 239MHz	1
	LFM35-12C0284B010	284 ± 5	5.00	6.00	—	35 at 234MHz	1.5
	LFB30N12B0325B008	325 ± 4	3.80	4.50	—	28 at 265MHz	1.5
	LFB30N12B0435B010	435 ± 5	3.80	4.50	2.2 max.	27 at 368MHz, 27 at 502MHz	1
	LFB30N12B0445B010	445 ± 5	3.80	4.50	2.2 max.	27 at 378MHz, 27 at 512MHz	1
	LFB30N12B0458B010	445 ± 5	3.80	4.50	2.2 max.	27 at 378MHz, 27 at 512MHz	1
PDC800	LFA30-13B0820B020	820 ± 10	2.80	3.50	2.2 max.	25 at 940-960MHz, 25 at 1070-1090MHz	1
	LFA30-16B0820B020	820 ± 10	2.00	2.70	2.2 max.	28 at 1070-1090MHz	1
	LFL30-13C0820B020	820 ± 10	3.80	4.30	2.2 max.	40 at 940-956MHz, 35 at 1070-1086MHz	1
	LFA30-13B0950B020	950 ± 10	2.80	3.50	2.2 max.	25 at 810-830MHz, 25 at 1070-1090MHz	1
	LFL30-13C0950B020	950 ± 10	3.80	4.30	2.2 max.	34 at 810-830MHz, 34 at 1070-1090MHz	1
	LFA30-12B0730B020	730 ± 10	3.00	3.70	2.2 max.	20 at 630-650MHz, 20 at 810-830MHz	1
PDC1500	LFA30-14B1441B024	1441 ± 12	4.00	4.70	2.2 max.	19 at 1607-1631MHz, 19 at 1785-1809MHz	1.5
	LFL30-14C1441B024	1441 ± 12	4.50	5.00	2.3 max.	35 at 1251-1275MHz, 35 at 1607-1631MHz	1.5
	LFA30-13B1489B024	1489 ± 12	3.50	4.20	2.2 max.	20 at 1347-1371MHz, 19 at 1607-1631MHz	1
	LFA30-13B1359B024	1359 ± 12	3.50	4.20	2.2 max.	23 at 1217-1241MHz, 19 at 1477-1501MHz	1.5
	LFL30-13C1359B024	1359 ± 12	4.50	5.00	2.2 max.	20 at 1217-1241MHz, 23 at 1477-1501MHz	1.5
	LFA30-13B1619B024	1619 ± 12	3.70	4.20	2.2 max.	22 at 1477-1501MHz, 22 at 1737-1761MHz	1.5
PHS	LFSN25N15C1907B	1907.5 ± 12.5	2.50	2.80	2.0 max.	40 at 1406.5-1440MHz, 35 at 1655-1680MHz	0.8
	LFSB25N15B1907B	1907.5 ± 12.5	1.00	1.10	2.0 max.	35 at 1397.5-1440MHz, 20 at 1646-1686MHz, 15 at 2 x fo MHz, 20 at 3 x fo MHz	0.5
	LFSN30N15C1907B	1907.5 ± 12.5	2.00	2.30	2.0 max.	40 at 1406.5-1440MHz, 40 at 1655-1680MHz, 15 at 2135MHz	0.8
	LFSN30N18C1907B	1907.5 ± 12.5	1.80	2.10	2.0 max.	40 at 1395-1420MHz, 20 at 1645-1670MHz	0.8
	LFJ30-03B1907B025	1907.5 ± 12.5	2.00	2.50	2.0 max.	25 at 1655-1680MHz	1.5
	LFJ30-03B1907BA25	1907.5 ± 12.5	1.30	1.80	2.0 max.	35 at 1415-1440MHz	1.5
	LFJ30-03B1660B025	1660 ± 12.5	2.50	3.00	2.0 max.	25 at 1895MHz	1
	LFSB25N15B1662B	1662 ± 12.5	2.00	2.20	2.0 max.	27 at 1895-1918MHz, 20 at 2 x fo MHz, 20 at 3 x fo MHz	0.5
	LFB30N12B0240B001	240 ± 0.5	4.00	4.70	—	30 at 160MHz, 30 at 320MHz	1
	LFB30N12B0248B001	248.5 ± 0.5	4.00	4.70	—	30 at 168.5MHz, 30 at 328.5MHz	1

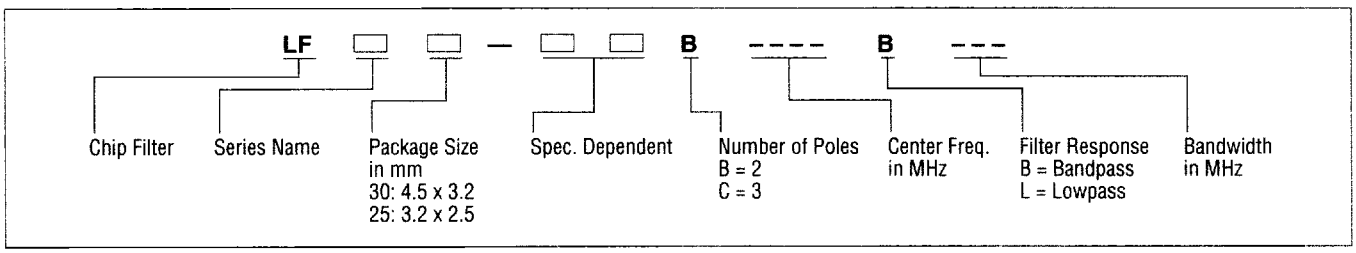
Power Capacity: 500mWatt

SPECIFICATIONS

System	Part Number	Frequency Range (MHz)	Insertion Loss at 25°C (dBmax.)	Insertion Loss at –30 ± 85°C (dBmax.)	VSWR	Attenuation (dBmin.)	Ripple (dB)
JAPAN ANALOG	LFA30-12B0766B027	766.5 ± 13.5	3.00	3.70	2.2 max.	15 at 663-690MHz, 20 at 843-870MHz	1
	LFA30-12B0775B010	775 ± 5	3.00	3.70	2.2 max.	15 at 680-690MHz, 23 at 860-870MHz	1.5
	LFL30-12C0775B010	775 ± 5	5.50	6.00	2.4 max.	29 at 680-690MHz, 25 at 860-870MHz	2
	LFA30-12B0782B025	782 ± 12.5	4.00	4.70	2.2 max.	20 at 680-705MHz, 20 at 860-885MHz	1.5
	LFL30-12C0782B025	782.5 ± 12.5	5.50	6.00	2.4 max.	29 at 680-705MHz, 25 at 860-885MHz	2
	LFA30-12B0787B015	787.5 ± 7.5	3.00	3.70	2.2 max.	23 at 690.5-704.5MHz, 22 at 870.5-884.5MHz	1.5
	LFL30-12C0787B015	787.5 ± 7.5	5.50	6.00	2.4 max.	29 at 690.5-704.5MHz, 25 at 870.5-884.5MHz	2
	LFA30-11B0801B028	801.5 ± 13.5	4.20	4.90	2.2 max.	10 at 843-870MHz	1.5
	LFA30-13B0801B027	801.5 ± 13.5	3.00	3.70	2.2 max.	19 at 678-705MHz, 19 at 898-925MHz	1
	LFA30-12B0856B027	856.5 ± 13.5	3.50	4.20	2.2 max.	15 at 663-690MHz, 17 at 753-780MHz	1.5
	LFA30-12B0865B010	865 ± 5	3.00	3.70	2.2 max.	20 at 787.5MHz, 20 at 942.5MHz	1
	LFA30-12B0872B025	872.5 ± 12.5	3.00	3.70	2.2 max.	20 at 795MHz, 20 at 950MHz	1
	LFA30-12B0877B015	877.5 ± 7.5	3.00	3.70	2.2 max.	20 at 800MHz, 20 at 955MHz	1
	LFL30-12C0877B015	877.5 ± 7.5	4.80	5.30	2.4 max.	25 at 690.5-704.5MHz, 25 at 780.5-794.5MHz	1.5
	LFA30-12B0911B027	911.5 ± 13.5	3.00	3.70	2.2 max.	19 at 807-834MHz	1.5
	LFA30-13B0911B027	911.5 ± 13.5	3.00	3.70	2.2 max.	25 at 753-780MHz	1
	LFL30-13C0911B027	911.5 ± 13.5	4.00	4.50	2.2 max.	35 at 753-780MHz, 35 at 1043-1070MHz	1
	LFA30-13B0920B010	920 ± 5	3.00	3.70	2.2 max.	25 at 770-780MHz	1
	LFA30-13B0927B025	927.5 ± 12.5	3.00	3.70	2.2 max.	25 at 770-795MHz	1
	LFA30-13B0932B015	932.5 ± 7.5	3.00	3.70	2.2 max.	25 at 780.5-794.5MHz	1
	LFL30-13C0932B015	932.5 ± 7.5	4.50	5.00	2.2 max.	20 at 780.5-794.5MHz, 15 at 870.5-884.5MHz	1.5
GSM	LFA30-12B0897B035	897.5 ± 17.5	3.00	3.70	2.2 max.	15 at 792-827MHz, 15 at 968-1003MHz	1
	LFA30-11B0902B025	902.5 ± 12.5	4.00	4.70	2.2 max.	8 at 935-960MHz	1.5
	LFA30-12B0902B025	902.5 ± 12.5	3.00	3.70	2.2 max.	18 at 980-1005MHz	1.5
	LFL30-11C0902B025	902.5 ± 12.5	5.50	6.00	2.2 max.	7 at 935MHz, 20 at 1025MHz	2
	LFA30-12B0942B035	942.5 ± 17.5	3.50	4.20	2.2 max.	16 at 865MHz, 16 at 1020MHz	1.5
	LFA30-11B0947B025	947.5 ± 12.5	4.00	4.70	2.2 max.	7 at 890-915MHz	1.5
	LFA30-12B0947B025	947.5 ± 12.5	3.00	3.70	2.2 max.	20 at 870MHz, 20 at 1025MHz	1.5
	LFA30-13B0809B035	809.5 ± 17.5	3.00	3.70	2.2 max.	23 at 659-694MHz, 23 at 925-960MHz	1
DCS1800	LFJ30-03B1747B075	1747.5 ± 37.5	3.00	3.50	2.0 max.	21 at 1440-1515MHz, 21 at 1980-2055MHz	1.5
	LFJ30-03B1747BA75	1747.5 ± 37.5	2.50	3.00	2.0 max.	35 at 1267.5MHz	1.5
	LFJ30-03B1842B075	1842.5 ± 37.5	3.00	3.50	2.0 max.	25 at 1602.5MHz	1.5
	LFJ30-03B1842BA75	1842.5 ± 37.5	2.50	3.00	2.0 max.	25 at 1310-1390MHz	1.5
	LFJ30-03B1598B075	1598.5 ± 37.5	3.00	3.50	2.0 max.	20 at 1805-1880MHz	1.5
DECT	LFSB25N15B1890B	1890 ± 10	1.20	1.40	2.0 max.	20 at 1655-1675MHz, 20 at 2 x fo MHz, 20 at 3 x fo MHz	0.3
	LFJ30-03B1890B020	1890 ± 10	3.00	3.50	2.0 max.	25 at 1650MHz	1.5
	LFJ30-03B1890BA20	1890 ± 10	2.00	2.50	2.0 max.	35 at 1410MHz	1.5
	LFSN30N15C1890B	1890 ± 10	2.00	2.30	2.0 max.	37 at 1670MHz, 20 at 2 x fo MHz, 14 at 3 x fo MHz	0.8
E-TACS	LFA30-12B0888B033	888.5 ± 16.5	3.00	3.70	2.2 max.	20 at 811MHz, 20 at 966MHz	1
	LFA30-12B0933B033	933.5 ± 16.5	3.00	3.70	2.2 max.	20 at 856MHz, 20 at 1011MHz	1
	LFA30-12B1025B033	1025.5 ± 16.5	3.00	3.70	2.2 max.	18 at 917-950MHz	1
	LFA30-13B1025B033	1025.5 ± 16.5	3.20	3.90	2.2 max.	15 at 917-950MHz, 18 at 1101-1134MHz	1.5
CT-1, 1+ CT-2, 3	LFA30-11B0866B004	866 ± 2	3.50	4.20	2.2 max.	11 at 822.4MHz	1
	LFA30-16B0866B004	866 ± 2	2.50	3.20	2.2 max.	30 at 566MHz, 30 at 1166MHz	1
	LFA30-12B0886B002	886 ± 1	2.80	3.50	2.2 max.	20 at 808.5MHz, 20 at 963.5MHz	1
	LFA30-12B0914B002	914.5 ± 1	2.80	3.50	2.2 max.	20 at 837MHz, 20 at 992MHz	1
	LFA30-12B0931B002	931 ± 1	2.80	3.50	2.2 max.	20 at 853.5MHz, 20 at 1008.5MHz	1
	LFA30-12B0959B002	959.5 ± 1	2.80	3.50	2.2 max.	20 at 882MHz, 20 at 1037MHz	1
OTHERS	LFSC25N12B0426B	426.5 ± 0.5	3.60	4.10	2.2 max.	25 at 366.5MHz, 20 at 486.5MHz	1
	LFB30N11B0422B001	422.2 ± 0.5	4.00	4.70	—	21 at 378.8MHz, 21 at 465.6MHz	1
	LFL30-12C1270B060	1270 ± 30	5.00	5.50	2.3 max.	25 at 1184MHz	2

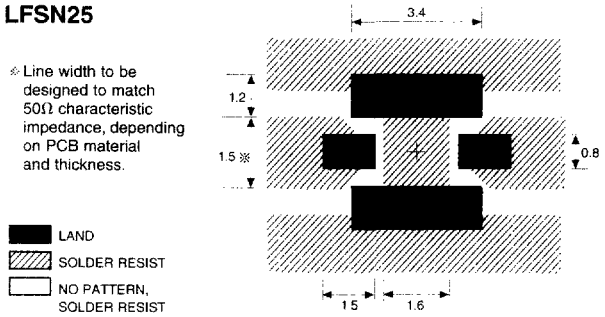
Power Capacity: 500mWatt

PART NUMBERING SYSTEM



LAND PATTERNS FOR PCB MOUNTING

LFSN25



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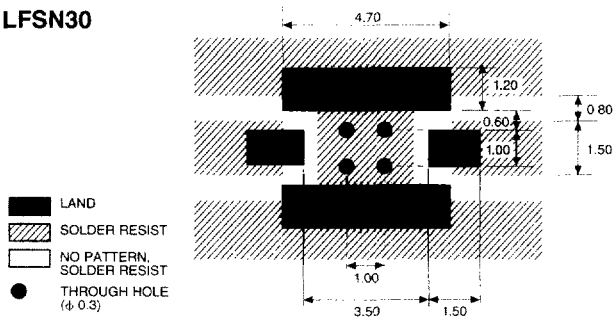

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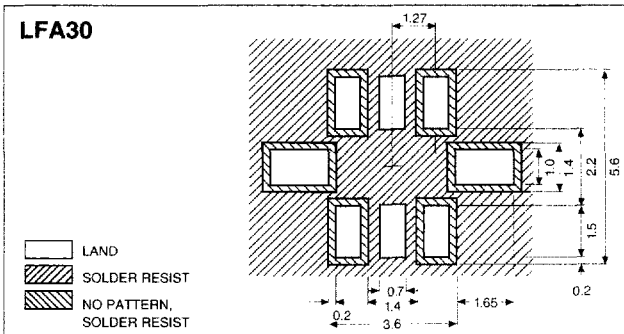
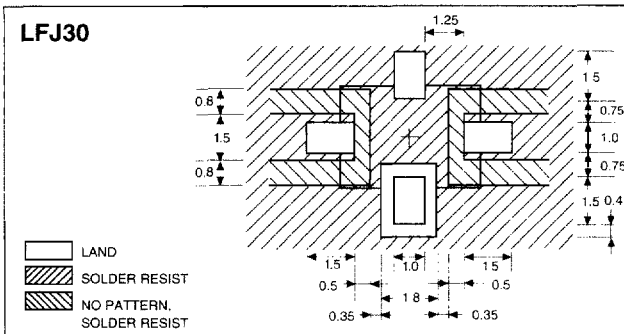


LFJ30



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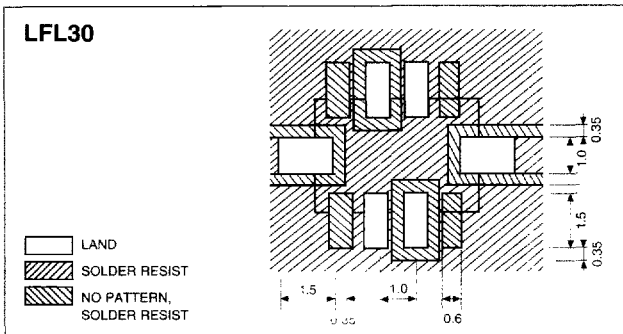
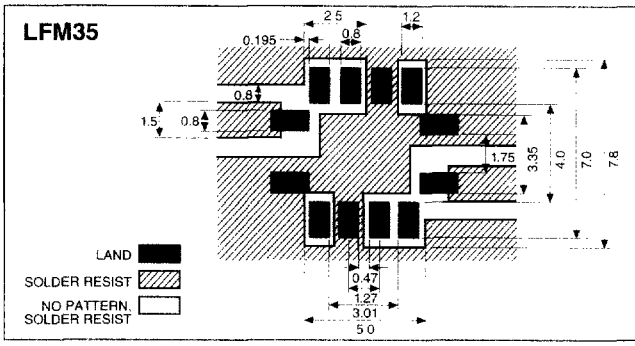
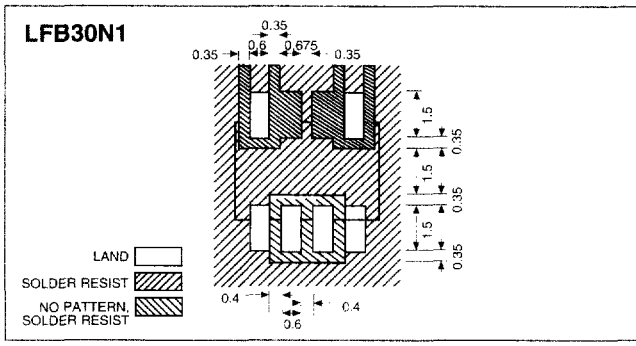


DIMENSIONS: mm

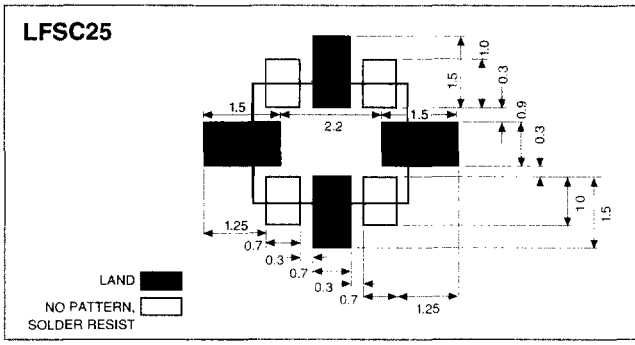
LFM35



LFB30N1



LFSC25



LFSB25N1