3x3 Shielded Drum Inductor

SMD Shielded Drum Core

HALO ELECTRONICS, INC.

Product Features:

- Inductance Values from 1.5uH to 47uH
- RoHS Compliant/Lead-Free
- Operating Temp Range -20 to +85°C
- Low Profile

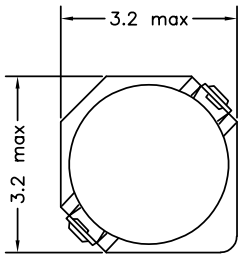
Part Number	Inductance (µH)	Tolerance	Test Freq. (kHz)	Rdc (Ω Max)	Idc* (A Max)	Max Ht. (mm)
HDS2D11-1R5NTR	1.5	30%	100	0.095	0.90	1.3
HDS2D14-1R5NTR	1.5	30%	100	0.063	1.80	1.6
HDS2D11-2R2NTR	2.2	30%	100	0.125	0.64	1.3
HDS2D14-2R2NTR	2.2	30%	100	0.094	1.50	1.6
HDS2D11-3R3NTR	3.3	30%	100	0.160	0.60	1.3
HDS2D14-3R3NTR	3.3	30%	100	0.125	1.20	1.6
HDS2D11-4R7NTR	4.7	30%	100	0.216	0.50	1.3
HDS2D14-4R7NTR	4.7	30%	100	0.169	1.00	1.6
HDS2D11-6R8NTR	6.8	30%	100	0.304	0.40	1.3
HDS2D14-6R8NTR	6.8	30%	100	0.213	0.85	1.6
HDS2D11-100NTR	10	30%	100	0.470	0.34	1.3
HDS2D14-100NTR	10	30%	100	0.294	0.70	1.6
HDS2D11-150NTR	15	30%	100	0.610	0.24	1.3
HDS2D18-150NTR	15	30%	100	0.257	0.35	2.0
HDS2D11-220NTR	22	30%	100	1.050	0.22	1.3
HDS2D18-220NTR	22	30%	100	0.331	0.30	2.0
HDS2D11-330NTR	33	30%	100	1.460	0.21	1.3
HDS2D18-330NTR	33	30%	100	0.481	0.23	2.0
HDS2D11-470NTR	47	30%	100	2.250	0.20	1.3

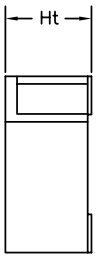
* Maximum rated current determined by a temp rise of 40°C or an indcutance drop of 35%, whichever is less

Notes:
1) Tighter tolerances available
2) Contact your local representative or the factory for samples and specific datasheets

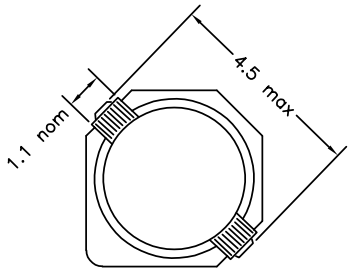
Mechanical

Top View

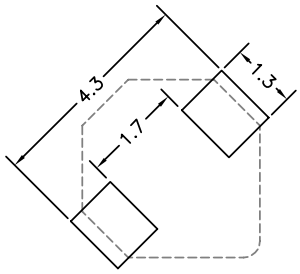




Bottom View



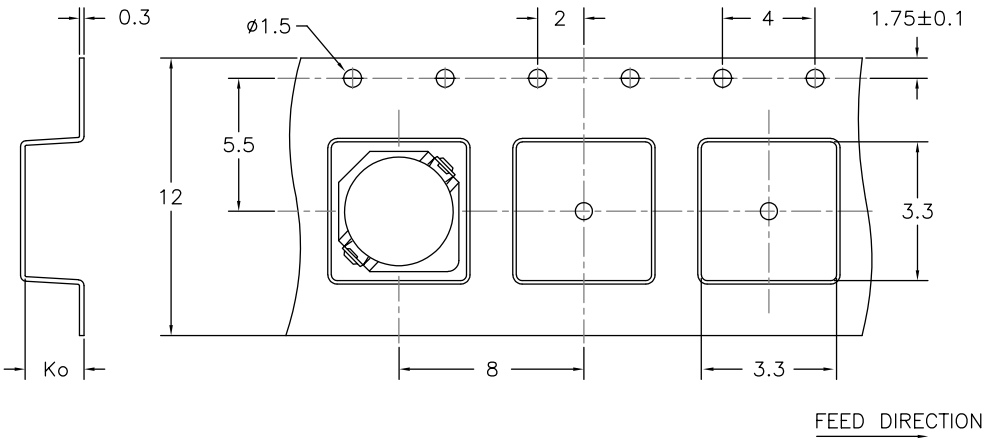
Dimensions: mm

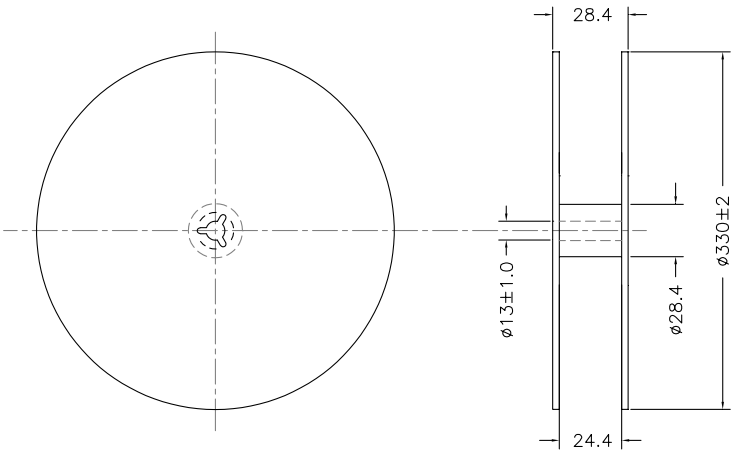


Recommended Solder Pad Dimensions

Packaging

HDS2D11 Ko = 1.4mm, 4000/reel
HDS2D14 Ko = 1.7mm, 4000/reel
HDS2D18 Ko = 2.1mm, 3500/reel





5x5 Shielded Drum Inductor

SMD Shielded Drum Core

HALO ELECTRONICS, INC.

Product Features:

- Inductance Values from 1.0uH to 33uH
- RoHS Compliant/Lead-Free
- Operating Temp Range -20 to +85°C
- Low Profile

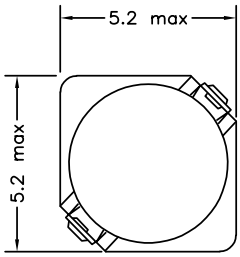
Part Number	Inductance (µH)	Tolerance	Test Freq. (kHz)	Rdc (Ω Max)	Idc* (A Max)	Max Ht. (mm)
HDS4D18-1R0NTR	1.0	30%	100	0.045	1.72	2.0
HDS4D18-2R2NTR	2.2	30%	100	0.075	1.32	2.0
HDS4D28-2R2NTR	2.2	30%	100	0.032	2.04	3.0
HDS4D18-3R3NTR	3.3	30%	100	0.110	1.04	2.0
HDS4D28-3R3NTR	3.3	30%	100	0.050	1.57	3.0
HDS4D18-4R7NTR	4.7	30%	100	0.152	0.84	2.0
HDS4D28-4R7NTR	4.7	30%	100	0.072	1.32	3.0
HDS4D18-6R8NTR	6.8	30%	100	0.170	0.76	2.0
HDS4D28-6R8NTR	6.8	30%	100	0.109	1.12	3.0
HDS4D18-100NTR	10	30%	100	0.200	0.61	2.0
HDS4D28-100NTR	10	30%	100	0.129	1.00	3.0
HDS4D18-150NTR	15	30%	100	0.240	0.50	2.0
HDS4D28-150NTR	15	30%	100	0.150	0.76	3.0
HDS4D18-220NTR	22	30%	100	0.397	0.41	2.0
HDS4D28-220NTR	22	30%	100	0.235	0.70	3.0
HDS2D18-330NTR	33	30%	100	0.694	0.32	2.0
HDS4D28-330NTR	33	30%	100	0.378	0.56	3.0

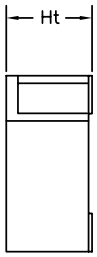
* Maximum rated current determined by a temp rise of 40°C or an indcutance drop of 35%, whichever is less

Notes:
1) Tighter tolerances available
2) Contact your local representative or the factory for samples and specific datasheets

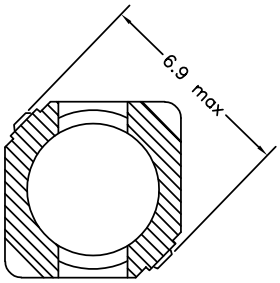
Mechanical

Top View

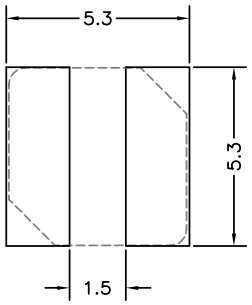




Bottom View



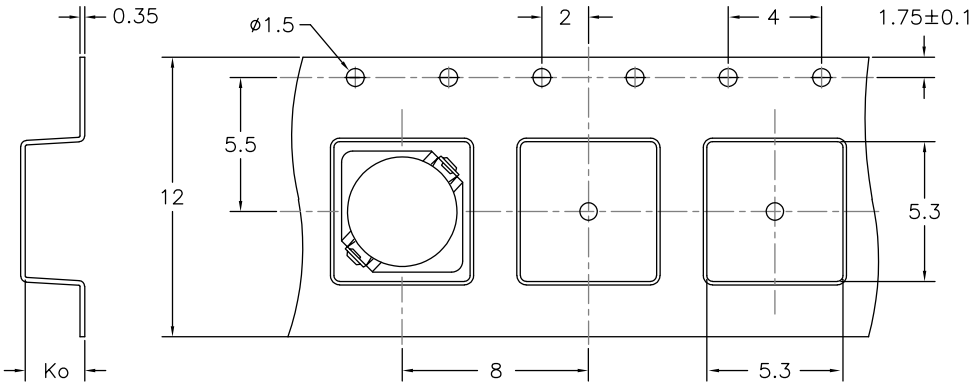
Dimensions: mm

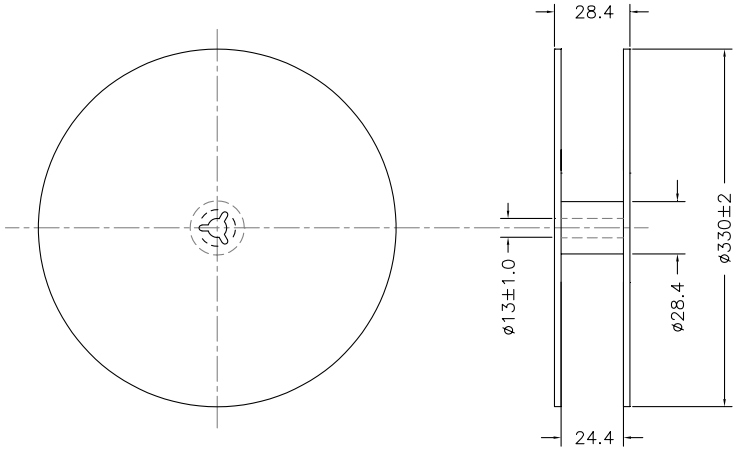


Recommended Solder Pad Dimensions

Packaging

HDS4D18 Ko = 2.3mm, 2500/reel
HDS4D28 Ko = 3.3mm, 2000/reel





6x6 Shielded Drum Inductor

SMD Shielded Drum Core

HALO ELECTRONICS, INC.

Product Features:

- Inductance Values from 3.3uH to 100uH
- RoHS Compliant/Lead-Free
- Operating Temp Range -20 to +85°C
- Low Profile

Part Number	Inductance (µH)	Tolerance	Test Freq. (kHz)	Rdc (Ω Max)	Idc* (A Max)	Max Ht. (mm)
HDS5D18-3R3NTR	3.3	30%	100	0.050	2.15	2.0
HDS5D18-6R2NTR	6.2	30%	100	0.096	1.40	2.0
HDS5D28-6R2NTR	6.2	30%	100	0.045	1.80	3.0
HDS5D18-100NTR	10	30%	100	0.124	1.20	2.0
HDS5D28-100NTR	10	30%	100	0.065	1.30	3.0
HDS5D18-150NTR	15	30%	100	0.196	0.97	2.0
HDS5D28-150NTR	15	30%	100	0.103	1.10	3.0
HDS5D18-220NTR	22	30%	100	0.290	0.80	2.0
HDS5D28-220NTR	22	30%	100	0.122	0.90	3.0
HDS5D18-330NTR	33	30%	100	0.386	0.65	2.0
HDS5D28-330NTR	33	30%	100	0.189	0.75	3.0
HDS5D18-470NTR	47	30%	100	0.595	0.54	2.0
HDS5D28-470NTR	47	30%	100	0.260	0.62	3.0
HDS5D18-680NTR	68	30%	100	0.840	0.43	2.0
HDS5D28-680NTR	68	30%	100	0.355	0.52	3.0
HDS5D18-101NTR	100	30%	100	1.200	0.36	2.0
HDS5D28-101NTR	100	30%	100	0.520	0.42	3.0

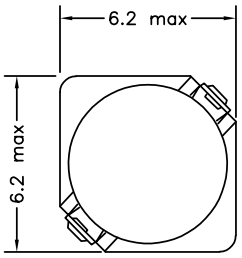
* Maximum rated current determined by a temp rise of 40°C or an indcutance drop of 35%, whichever is less

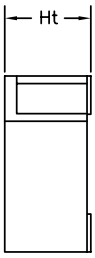
Notes:
1) Tighter tolerances available
2) Contact your local representative or the factory for samples and specific datasheets

For additional information contact your local representative, or HALO's support staff at (650) 903-3800 or info@haloelectronics.com

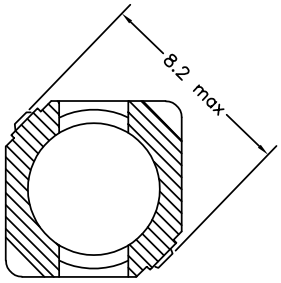
Mechanical

Top View

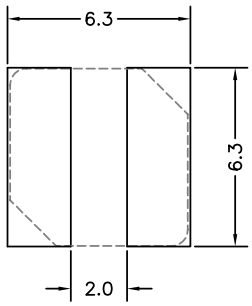




Bottom View

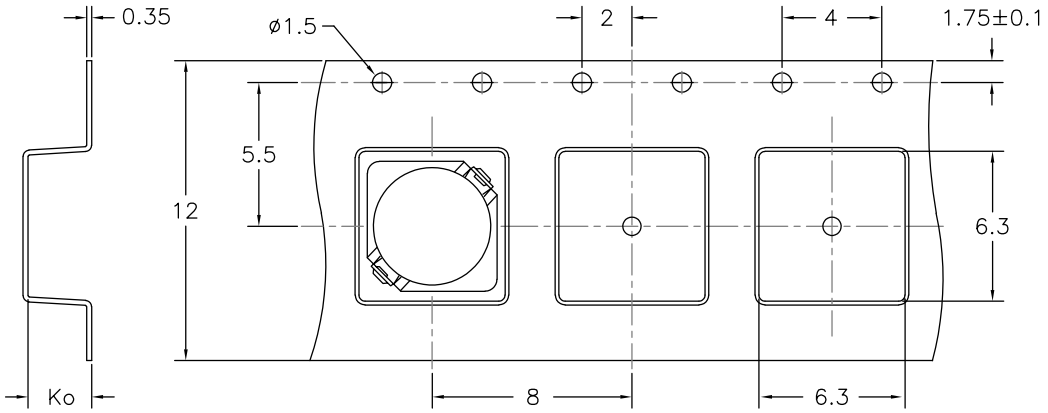


Dimensions: mm

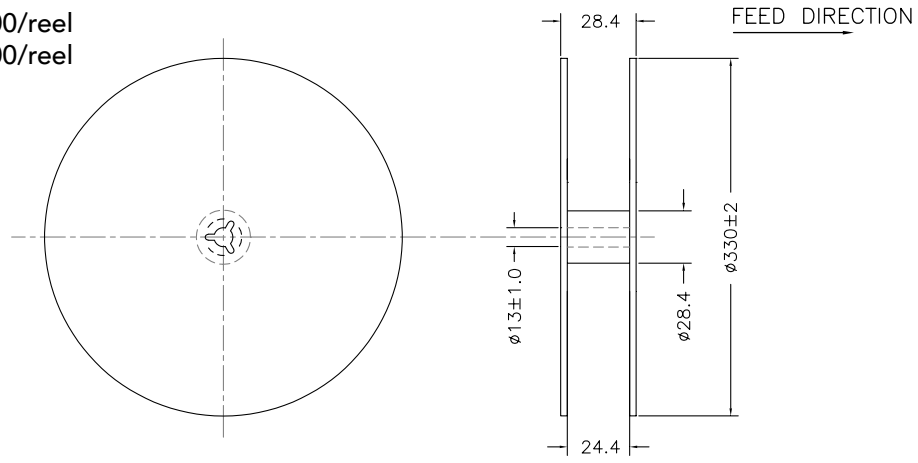


Recommended Solder Pad Dimensions

Packaging



HDS5D18 Ko = 2.3mm, 2500/reel
HDS5D28 Ko = 3.3mm, 2000/reel



12.5x12.5 Shielded Drum Inductor

SMD Shielded Drum Core

HALO ELECTRONICS, INC.

Product Features:

- Inductance Values from 3.1uH to 3000uH
- RoHS Compliant/Lead-Free
- Operating Temp Range -20 to +105°C
- Low Profile

Part Number	Inductance (µH)	Tolerance	Test Freq. (kHz)	Rdc (Ω Max)	Idc* (A Max)	Max Ht. (mm)
HDS124-100MTR	10	20%	100	0.05	4.50	4.5
HDS125-100MTR	10	20%	1	0.03	5.00	6.5
HDS129-100MTR	10	20%	1	0.03	6.10	10.0
HDS124-220MTR	22	20%	100	0.07	2.90	4.5
HDS125-220MTR	22	20%	1	0.04	3.60	6.5
HDS129-220MTR	22	20%	1	0.05	3.92	10.0
HDS124-470MTR	47	20%	100	0.16	1.90	4.5
HDS125-470MTR	47	20%	1	0.09	2.30	6.5
HDS129-470MTR	47	20%	1	0.10	2.92	10.0
HDS124-680MTR	68	20%	100	0.22	1.50	4.5
HDS125-680MTR	68	20%	1	0.12	1.90	6.5
HDS129-680MTR	68	20%	1	0.14	2.40	10.0
HDS124-101MTR	100	20%	100	0.31	1.20	4.5
HDS125-101MTR	100	20%	1	0.16	1.50	6.5
HDS129-101MTR	100	20%	1	0.22	1.94	10.0
HDS124-221MTR	220	20%	100	0.70	0.80	4.5
HDS125-221MTR	220	20%	1	0.40	0.95	6.5
HDS129-221MTR	220	20%	1	0.39	1.25	10.0
HDS125-471MTR	470	20%	1	0.77	0.58	6.5
HDS129-471MTR	470	20%	1	0.98	0.89	10.0
HDS125-681MTR	680	20%	1	1.20	0.48	6.5
HDS129-681MTR	680	20%	1	1.46	0.75	10.0
HDS125-102MTR	1000	20%	1	1.58	0.40	6.5
HDS129-102MTR	1000	20%	1	1.53	0.61	10.0

* Maximum rated current determined by a 35% (typ) drop in inductance

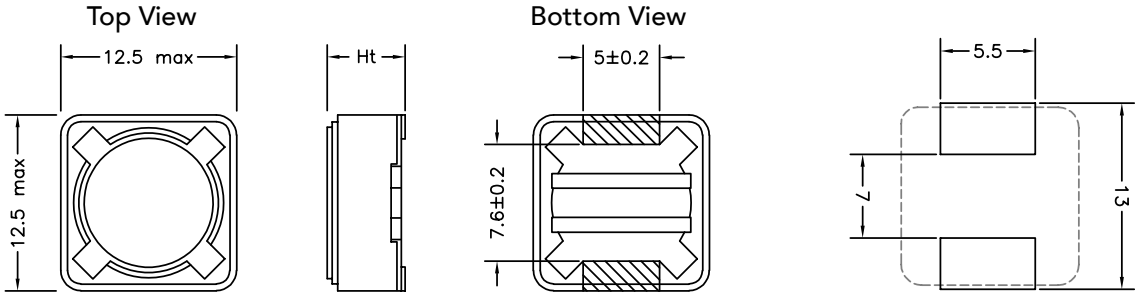
Notes:

1) Tighter tolerances available

2) Contact your local representative or the factory for samples and specific datasheets

For additional information contact your local representative, or HALO's support staff at (650) 903-3800 or info@haloelectronics.com

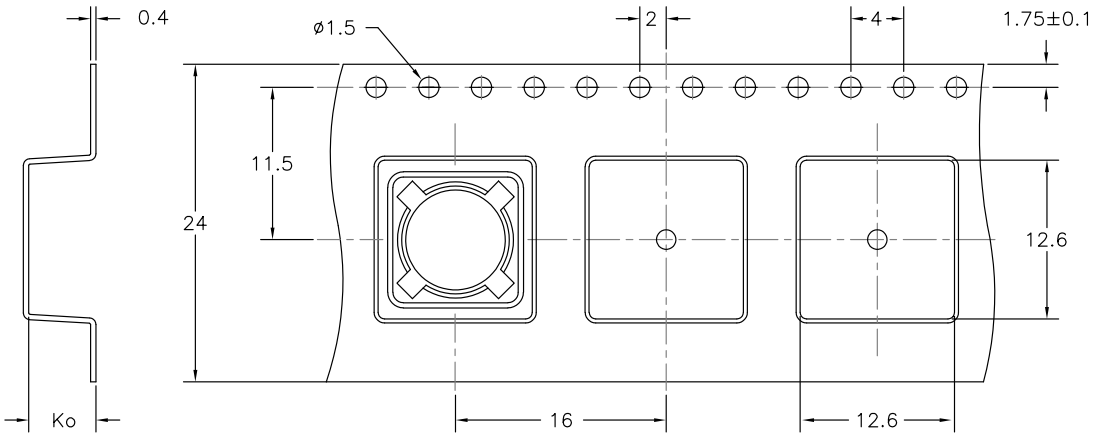
Mechanical



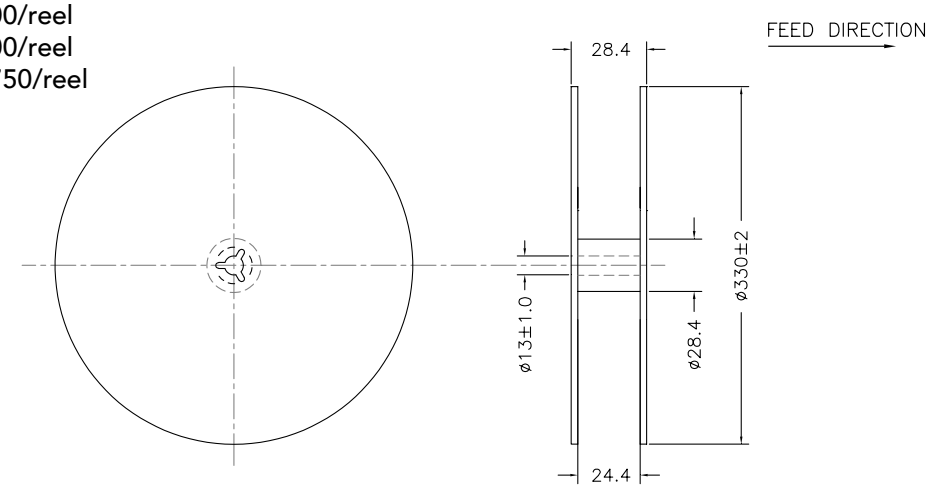
Dimensions: mm

Recommended Solder Pad Dimensions

Packaging



HDS124 Ko = 4.9mm, 2500/reel
HDS125 Ko = 5.9mm, 2500/reel
HDS129 Ko = 10.6mm, 1750/reel



HALO ELECTRONICS, INC.
2880 Lakeside Drive #116
Santa Clara, CA 95054
(650) 903-3800
www.haloelectronics.com

HALO® Electronics is a leading supplier of high quality communication magnetics including signal transformers, filters, CMR chokes, PoE power transformers, DC/DC converters, and integrated Ethernet connectors. HALO's leading edge technology solutions are manufactured in ISO9001 and ISO14001 factories offering high quality products at a competitive price.

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Revised 3/2014. Download the latest version at www.haloelectronics.com/pdf/smd-shielded-drumcore.pdf

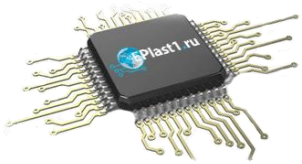
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.