

HALO

**13W, 3.3Vout, Power Transformers (EFD15)
Power Over Ethernet, DC/DC Converter**

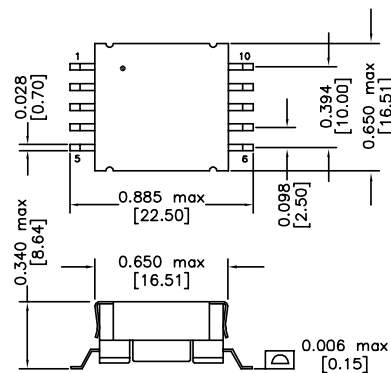
ELECTRONICS, INC.

HALO Electronics offers a broad line of power transformers designed for fly-back DC/DC converters used in Power over Ethernet (PoE) applications. These industrial temperature range transformers are UL recognized and are fully compliant to IEEE802.3af requirements for isolation and power ratings. This standard series is LEAD-free and RoHS compliant. Please contact your nearest HALO representative for custom designs.



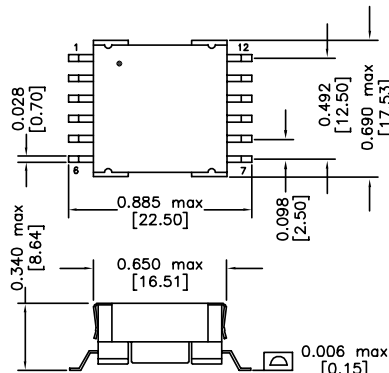
MECHANICAL DIMENSIONS

PACKAGE A



RECOMMENDED SOLDER PAD DIMENSIONS

PACKAGE B



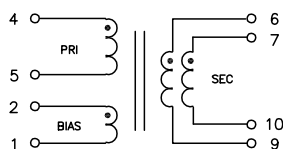
RECOMMENDED SOLDER PAD DIMENSIONS



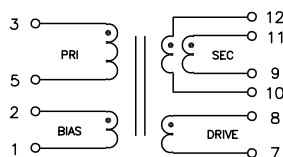
DIMENSIONS: Inch [mm]

TOLERANCES: 0.006 inch if not specified

SCHEMATIC A



SCHEMATIC B



Electrical Specifications @ 25 °C

Isolation Voltage (PRI – SEC): 1,500Vrms

Operating Temp: -40 to +85 °C



Part Number	Turns Ratio PRI:BIAS:SEC:DRV	DCR (mΩ max) PRI/BIAS/SEC/DRV (μH ±10%)	PRI OCL (μH Max)	PRI LL (μH Max)	PKG/ SCHE.	IC P/N
TGP13-S004EFD15LF	1:0.208:0.083	520/400/10	145	5	A	LTC4267
TGP13-S008EFD15LF	1: 0.500:0.167	150/400/10	33	1	A	LM5072
TGP13-S012EFD15LF	1:0.500:0.150:0.275	520/760/20/400	160	2	B	TPS23750

HALO

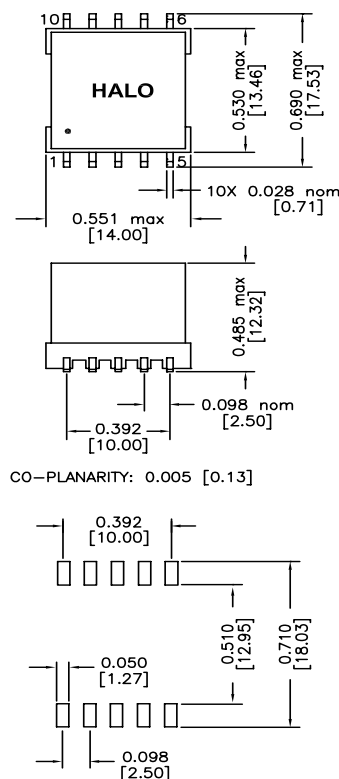
13W, 3.3Vout, Power Transformers (EP13) Power Over Ethernet, DC/DC Converter

ELECTRONICS, INC.

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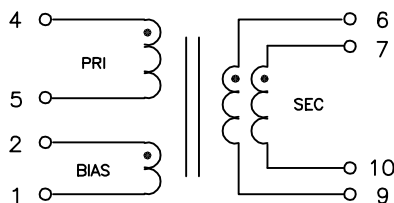
MECHANICAL DIMENSIONS



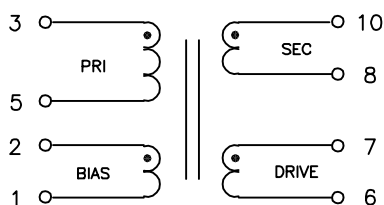
RECOMMENDED SOLDER PAD DIMENSIONS

DIMENSIONS: Inch [mm]
TOLERANCES: 0.006 inch if not specified

SCHEMATIC A



SCHEMATIC B



13W, 3.3Vout, Power Transformers (EP13)
Power Over Ethernet, DC/DC Converter

Electrical Specifications @ 25 °C
Isolation Voltage (PRI – SEC): 1,500Vrms
Operating Temp: -40 to +85 °C



Part Number	Turns Ratio PRI:AUX:SEC:DRV	DCR (mΩ max) PRI/AUX/SEC/DRV	PRI OCL (μH ±10%)	PRI LL (μH Max)	IC SCHE.	P/N
TGP13-S003EP13LF	1:0.208:0.083	500/400/15	145	5	A	LTC4267
TGP13-S007EP13LF	1:0.500:0.167	100/400/12	33	1	A	LM5072
TGP13-S011EP13LF	1:0.500:0.150:0.275	450/700/30/400	160	3	B	TPS23750

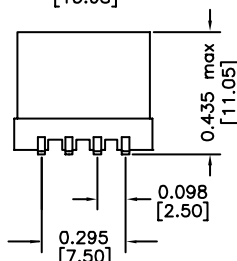
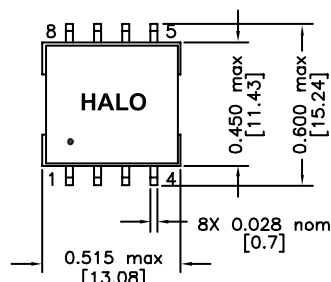
HALO 7W, 3.3Vout, Power Transformers (EP10)

Power Over Ethernet, DC/DC Converter

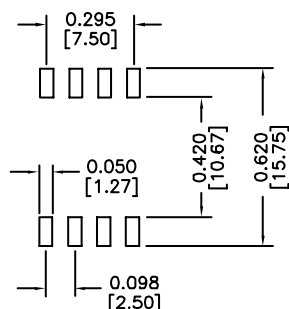
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MECHANICAL DIMENSIONS



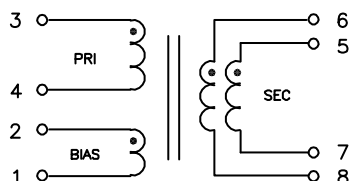
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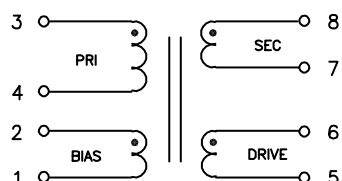
RECOMMENDED SOLDER PAD DIMENSIONS

DIMENSIONS: Inch [mm]
TOLERANCES: 0.006 inch if not specified

SCHEMATIC A



SCHEMATIC B



7W, 3.3Vout, Power Transformers (EP10)
Power Over Ethernet, DC/DC Converter

Electrical Specifications @ 25 °C

Isolation Voltage (PRI – SEC): 1,500Vrms
Operating Temp: -40 to +85 °C

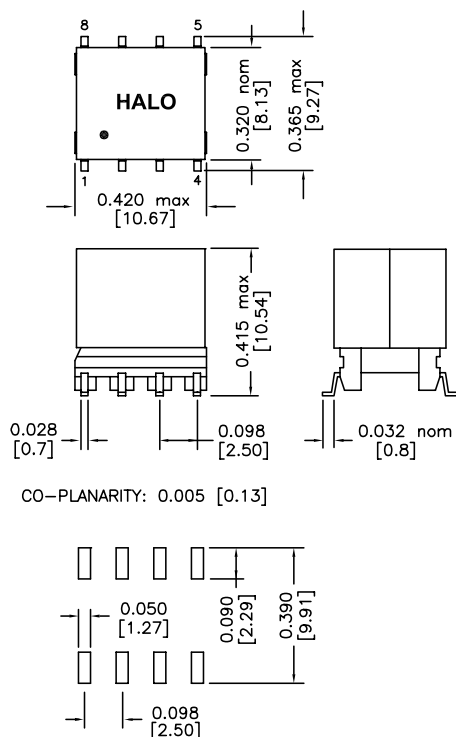


Part Number	Turns Ratio PRI:AUX:SEC:DRV	DCR (mΩ max) PRI/AUX/SEC/DRV	PRI OCL (μH ±10%)	PRI LL (μH Max)	IC SCHE. P/N
TGP7-S002EP10LF	1:0.208:0.083	450/400/12	145	4	A LTC4267
TGP7-S006EP10LF	1: 0.500:0.167	100/400/10	33	1	A LM5072
TGP7-S010EP10LF	1:0.500:0.150:0.275	450/700/30/400	160	3	B TPS23750

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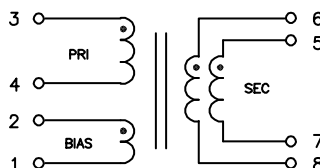
MECHANICAL DIMENSIONS



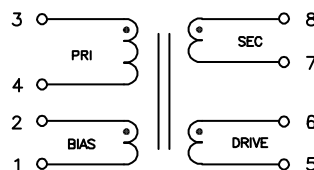
RECOMMENDED SOLDER PAD DIMENSIONS

DIMENSIONS: Inch [mm]
TOLERANCES: 0.006 inch if not specified

SCHEMATIC A



SCHEMATIC B



Electrical Specifications @ 25 °C

Isolation Voltage (PRI – SEC): 1,500Vrms
Operating Temp: -40 to +85 °C



Part Number	Turns Ratio PRI:AUX:SEC:DRV	DCR (mΩ max) PRI/AUX/SEC/DRV	PRI OCL (μH ±10%)	PRI LL (μH Max) SCHE.	IC P/N
TGP3-S001EP7LF	1:0.208:0.083	1200/300/20	145	4 A	LTC4267
TGP3-S005EP7LF	1: 0.500:0.167	160/300/15	33	1 A	LM5072
TGP3-S009EP7LF	1:0.500:0.150:0.275	1000/550/50/300	160	3 B	TPS23750

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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