

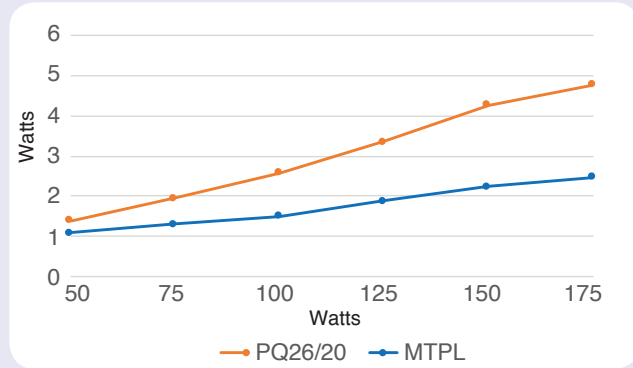


# PLANAR TRANSFORMERS

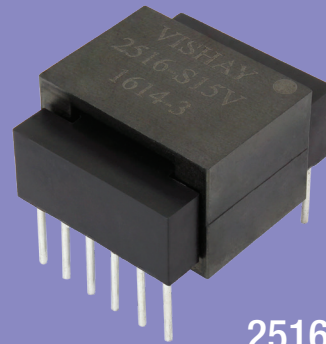
## MTPL

# IN A NUTSHELL

### POWER LOSS VS. OUTPUT POWER MTPL VS. BOBBIN WOUND



## MTPL



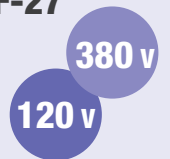
2516

### FEATURES

**Higher power density** levels vs. traditional planar designs

Designed to meet **MIL-PRF-27** requirements

Split primary for **120 V** or **380 V** operation



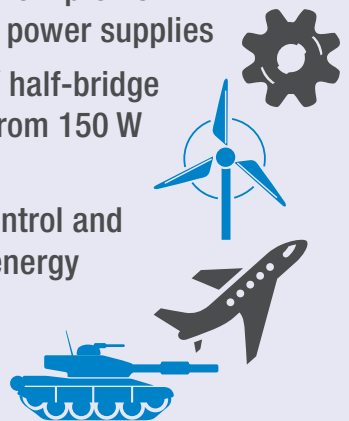
Low profile, less than **16.5 mm**



Heavy conductor **copper thicknesses** are available for **high current** windings

### APPLICATIONS

- PFC-derived low profile switchmode power supplies
- Full-bridge / half-bridge converters from 150 W to 300 W
- Industrial control and alternative energy applications
- Military and avionics applications



**MTPL 2516 S12V**

Product Family

W, H Dimensions (mm)

Output Voltage

### STANDARD ELECTRICAL SPECIFICATIONS

| Part Number    | Output Voltage (V) | Magnetizing Inductance min (μH) | Leakage Inductance max (μH) | Interwinding Capacitance max (pF) | Transfer Ratio PRI : Sec | DCR (mΩ)   |         |         | Rated Current (A) |
|----------------|--------------------|---------------------------------|-----------------------------|-----------------------------------|--------------------------|------------|---------|---------|-------------------|
|                |                    |                                 |                             |                                   |                          | 2.3 to 4.5 | 12 to 8 | 11 to 7 |                   |
| MTPL-2516-S12V | 12                 | 450                             | 1.70                        | 120                               | 0.176                    | 23.0       | 8       | 8       | 22.0              |
| MTPL-2516-S15V | 15                 | 450                             | 2.00                        | 120                               | 0.214                    | 28.0       | 12      | 12      | 16.25             |
| MTPL-2516-S24V | 24                 | 450                             | 1.30                        | 120                               | 0.333                    | 23.0       | 25      | 25      | 12.5              |