



## LOW PROFILE SHIELDED SMD POWER INDUCTORS

ASPI -104S, -105S

### STANDARD SPECIFICATIONS

| Part Number <sup>2</sup> | L <sup>1,2</sup><br>(□H) | DCR<br>□<br>(MAX) | Idc <sup>4</sup><br>□<br>(MAX) |
|--------------------------|--------------------------|-------------------|--------------------------------|
| ASPI-104S-1R0            | 1.0                      | 0.006             | 13.6                           |
| ASPI-104S-1R5            | 1.5                      | 0.008             | 10.0                           |
| ASPI-104S-2R5            | 2.5                      | 0.010             | 7.50                           |
| ASPI-104S-2R8            | 2.8                      | 0.011             | 7.30                           |
| ASPI-104S-3R8            | 3.8                      | 0.013             | 6.00                           |
| ASPI-104S-5R2            | 5.2                      | 0.022             | 5.50                           |
| ASPI-104S-7R0            | 7.0                      | 0.027             | 4.80                           |
| ASPI-104S-100            | 10                       | 0.035             | 4.40                           |
| ASPI-104S-150            | 15                       | 0.050             | 3.60                           |
| ASPI-104S-220            | 22                       | 0.073             | 2.90                           |
| ASPI-104S-330            | 33                       | 0.093             | 2.30                           |
| ASPI-104S-470            | 47                       | 0.093             | 2.30                           |
| ASPI-104S-680            | 68                       | 0.213             | 1.50                           |
| ASPI-104S-101            | 100                      | 0.304             | 1.35                           |
| ASPI-104S-151            | 150                      | 0.506             | 1.15                           |
| ASPI-104S-221            | 220                      | 0.756             | 0.92                           |
| ASPI-104S-331            | 330                      | 1.090             | 0.70                           |

| Part Number <sup>2</sup> | L <sup>1,2</sup><br>(□H) | DCR<br>□<br>(MAX) | Idc <sup>4</sup><br>□<br>(MAX) |
|--------------------------|--------------------------|-------------------|--------------------------------|
| ASPI-105S-100            | 10                       | 0.050             | 2.40                           |
| ASPI-105S-150            | 15                       | 0.061             | 2.00                           |
| ASPI-105S-220            | 22                       | 0.094             | 1.65                           |
| ASPI-105S-330            | 33                       | 0.15              | 1.35                           |
| ASPI-105S-470            | 47                       | 0.21              | 1.10                           |
| ASPI-105S-680            | 68                       | 0.26              | 0.93                           |
| ASPI-105S-101            | 100                      | 0.41              | 0.76                           |
| ASPI-105S-151            | 150                      | 0.64              | 0.63                           |
| ASPI-105S-221            | 220                      | 0.96              | 0.52                           |
| ASPI-105S-331            | 330                      | 1.37              | 0.43                           |
| ASPI-105S-471            | 470                      | 1.74              | 0.36                           |

#### NOTES:

1. Inductance (L) measured @ 100 KHz, 0.1VRMS
2. Inductance (L) tolerance: J = 5%, K = 10%, M = 20%
3. Operating temperature: -40°C to 85°C
4. Inductance drops by 10%
5. Dimensions: inches / mm; see spec sheet for tolerance limits
6. Specifications subject to change without notice

### PHYSICAL CHARACTERISTICS<sup>5</sup>

