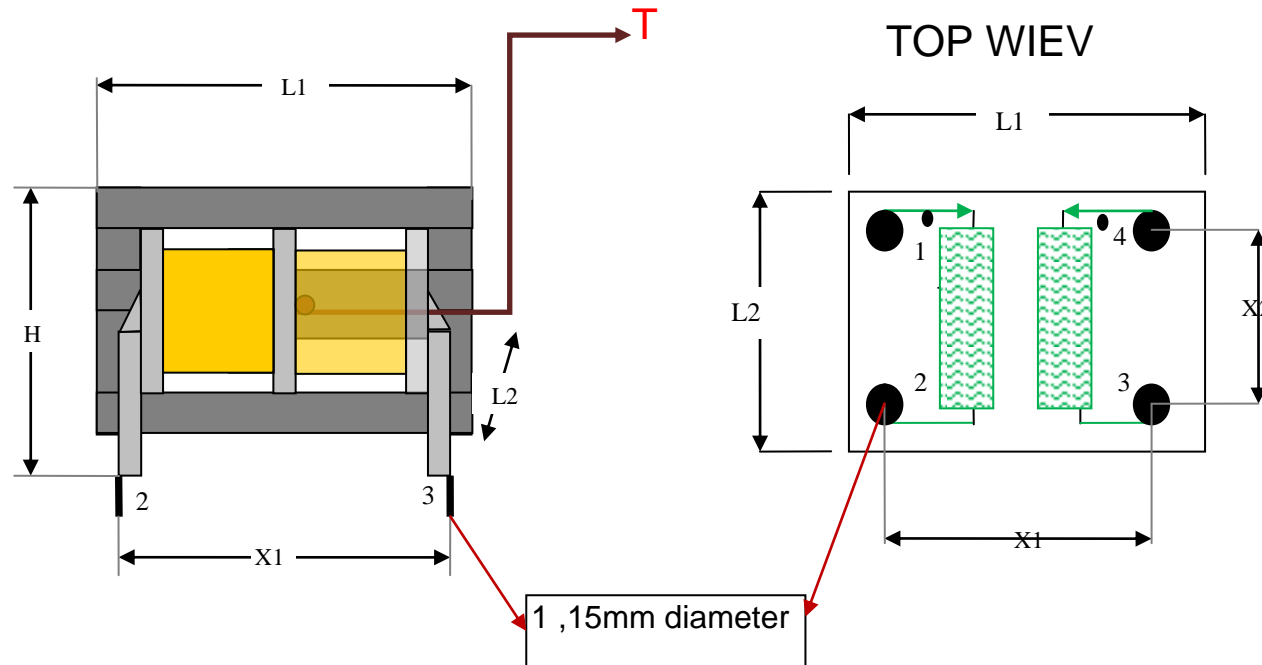


POWER LINE CHOKE

Current-compensated double chokes

Type: E30H2V



| dimension | mm |
|-----------|------|
| L1 | 30 |
| L2 | 19.5 |
| H | 32 |
| X1 | 22.5 |
| X2 | 15 |

| CODE | Inductance +/- 20% | Nominal current | Resistance | Stray Inductance | Temperature class | ΔT |
|-----------|-----------------------|--------------------|---------------|---------------------|----------------------|------------|
| E30H2V030 | 250mH | 0.5A | 3.4 Ω | 842 uH | F/150°C | 47°C |
| E30H2V035 | 130mH | 0.8A | 1.8 Ω | 450 uH | F/150°C | 50°C |
| E30H2V040 | 94mH | 1 A | 1.5 Ω | 303 uH | F/150°C | 58°C |
| E30H2V045 | 70mH | 1.35A | 850m Ω | 238 uH | F/150°C | 55°C |
| E30H2V050 | 38mH | 1.5A | 480m Ω | 122 uH | F/150°C | 50°C |
| E30H2V056 | 28mH | 2A | 340m Ω | 93 uH | F/150°C | 55°C |

| | | | | | | |
|-----------|-------|------|-------|-------|---------|------|
| E30H2V063 | 16mH | 2.5A | 205mΩ | 55 uH | F/150°C | 40°C |
| E30H2V071 | 10mH | 3A | 134mΩ | 36 uH | F/150°C | 50°C |
| E30H2V080 | 5mH | 4.5A | 71mΩ | 18 uH | F/150°C | 48°C |
| E30H2V090 | 3mH | 6A | 41mΩ | 10 uH | F/150°C | 50°C |
| E30H2V100 | 1.9mH | 9A | 28mΩ | 8.4uH | F/150°C | 50°C |

| MEASURE | Measure signal / Test Conditions |
|--------------------|--|
| INDUCTANCE Value | 100mV, 10KHz between pins 1,2 and 3,4 |
| LEAKAGE INDUCTANCE | 100mV, 10KHz, between 1,2 with 3,4 IN C.C. |
| STRAY INDUCTANCE | 100mV, 10KHz, between 1,2 with 3,4 IN C.C. (without core) |
| DC RESISTANCE | measure at 20 °C |
| TEST VOLTAGE | 2,2 KV between 1,2 Vs 4,3 (Tested for 3 seconds , to 100% of production) |
| ΔT | Growth of temperature to nominal current. "T" is point of temperature's measuring in the middle of the choke. |

| Material List | Material Composition | Country of origin | Ross compatible |
|---------------|--|-------------------|-----------------|
| Spool | Rynite FR530L (minimum thickness 1mm) | ITALY | YES |
| Wire | Invex : CL.F,G2/ | ITALY | YES |
| Wire | SH ELEKTRODRAHT : SH SOLD V180 G2 | GERMAN | YES |
| Solder | SACX0307 ALPHA | Unaided Kingdom | YES |
| CORE | 3C11FERROXCUBE N30Epcos | POLAND CZ | YES |