

WIRE WOUND INDUCTORS

MEC series: MS2520L



- Suited for high frequency applications.
- Ideal in environments subject to sudden changes.
- Excellent solder ability.
- Highly resistant to mechanical shock and pressure.
- Terminals highly resistant to pull forces.
- Inductance Range: 0.47 – 47.0uH.
- Current Range: 100 – 1100mA.

Operating Temperature Range: -40°C to +125°C.

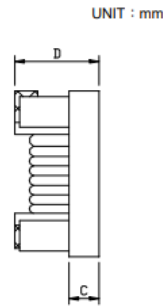
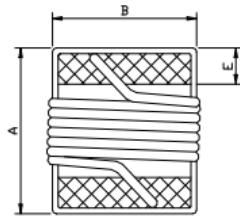
Reel Quantity: 2000pcs

Application Examples

| Part Number | Inductance (μH) | Tolerance | Q Min | SRF (MHz) Min | DCR (Ω) (Max) | IDC (ma) (Max) | IRMS (ma) (Typ) |
|--------------|-----------------|-----------|-------------|---------------|---------------|----------------|-----------------|
| MS2520L-R47x | 0.47 @ 25MHz | J, K | 35 @ 25MHz | 460 | 0.20 | 2400 | 1100 |
| MS2520L-R82x | 0.82 @ 25MHz | J, K | 35 @ 25MHz | 360 | 0.35 | 1800 | 1000 |
| MS2520L-1R0x | 1.0 @ 7.9MHz | J, K | 32 @ 7.9MHz | 340 | 0.34 | 2100 | 900 |
| MS2520L-1R2x | 1.2 @ 7.9MHz | J, K | 25 @ 7.9MHz | 290 | 0.25 | 1900 | 860 |
| MS2520L-1R5x | 1.5 @ 7.9MHz | J, K | 32 @ 7.9MHz | 230 | 0.42 | 1800 | 740 |
| MS2520L-1R8x | 1.8 @ 7.9MHz | J, K | 27 @ 7.9MHz | 180 | 0.45 | 1700 | 720 |
| MS2520L-2R2x | 2.2 @ 7.9MHz | J, K | 27 @ 7.9MHz | 140 | 0.50 | 1500 | 700 |
| MS2520L-3R3x | 3.3 @ 7.9MHz | J, K | 27 @ 7.9MHz | 125 | 0.60 | 1300 | 540 |
| MS2520L-3R9x | 3.9 @ 7.9MHz | J, K | 27 @ 7.9MHz | 100 | 0.80 | 1200 | 480 |
| MS2520L-4R7x | 4.7 @ 7.9MHz | J, K | 27 @ 7.9MHz | 90 | 0.90 | 1100 | 400 |
| MS2520L-6R8x | 6.8 @ 7.9MHz | J, K | 27 @ 7.9MHz | 60 | 1.05 | 950 | 420 |
| MS2520L-8R2x | 8.2 @ 7.9MHz | J, K | 25 @ 7.9MHz | 55 | 1.20 | 850 | 380 |
| MS2520L-100x | 10 @ 2.5MHz | J, K | 23 @ 2.5MHz | 55 | 1.55 | 800 | 240 |
| MS2520L-150x | 15 @ 2.5MHz | J, K | 23 @ 2.5MHz | 36 | 2.38 | 650 | 200 |
| MS2520L-220x | 22 @ 2.5MHz | J, K | 23 @ 2.5MHz | 29 | 2.92 | 550 | 180 |
| MS2520L-330x | 33 @ 2.5MHz | J, K | 23 @ 2.5MHz | 21 | 4.10 | 450 | 140 |
| MS2520L-470x | 47 @ 2.5MHz | J, K | 23 @ 2.5MHz | 15 | 7.80 | 320 | 100 |

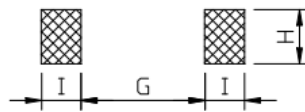
X: Inductance Tolerance: J= 5%, K = 10%

SHAPES AND DIMENSIONS



A=2.9 Max. B=2.54 Max. C=1.3 Ref. D=2.03 Max. E=0.50±0.1

RECOMMENDED PATTERNS



G=1.27 H=2.54 I=1.02

