

Ohmite radio frequency plate chokes have a single-layer winding designed to avoid adverse harmonic effects and prevents breakdown from high r.f. potentials. Windings are insulated and protected by a moisture-proof coating.

- Z-7 type furnished with non-magnetic mounting bracket.
- Z-14, Z-28 type have wire leads welded to lug type terminals.
- Z-50, Z-144, Z-235, Z-460 type have axial wire leads.

It is generally advisable to select a choke with a resonant frequency (see chart) slightly higher than the desired operating frequency since any additional capacity to ground will tend to shift the resonant frequency closer to the operating frequency.



Z Series

R. F. Plate Chokes



ORDERING INFO

RoHS Compliant

Z - 1 4 4 E

Z Series Specifier
see chart

| STOCK PART NUMBERS | | | | | | | | |
|--------------------|-----------------------------|----------------------|---------|-----------------------|-----------|-------------------|-----------------|-------|
| Part number | Inductance (μH) ±10% @ 1kHz | Rated DC current (A) | DCR (Ω) | Operating range (MHz) | SRF (MHz) | Diameter (in./mm) | Length (in./mm) | |
| Z-7 | 84.0 | 1.00 | 4.70 | 3 - 20 | 13 | 0.563 / 14.29 | 6 | 152.4 |
| Z-14 | 44.0 | 0.68 | 2.60 | 7 - 35 | 23 | 0.438 / 11.11 | 2 | 50.6 |
| Z-28 | 21.0 | 0.60 | 2.70 | 20 - 60 | 41 | 0.313 / 7.94 | 1.750 | 44.45 |
| Z-50 | 7.0 | 1.00 | 0.98 | 35 - 110 | 79 | 0.281 / 7.14 | 1 | 25.4 |
| Z-144 | 1.8 | 1.10 | 0.33 | 80 - 200 | 168 | 0.188 / 4.76 | 0.750 | 19.05 |
| Z-235 | 0.84 | 1.70 | 0.14 | 160 - 350 | 300 | 0.188 / 4.76 | 0.750 | 19.05 |
| Z-460 | 0.20 | 4.00 | 0.034 | 320 - 520 | 500 | 0.156 / 3.97 | 0.500 | 12.70 |