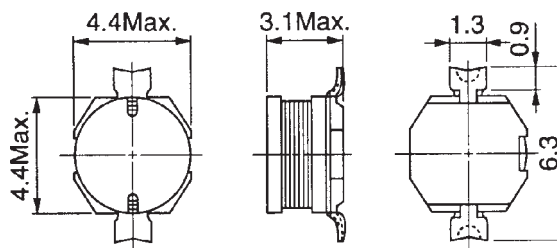


TYPE 3DF

Frequency Range: 10kHz - 1MHz

Inductance Range: 1.0μH - 270μH

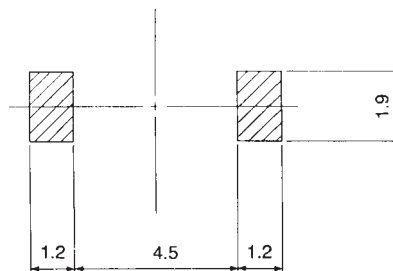


Unit: mm

Features

- Miniature, low profile DC choke
- Suitable for reflow soldering
- Supplied on tape and reel for auto assembly

Recommended patterns:



Unit: mm

STANDARD PARTS SELECTION GUIDE

- (1) Inductance is measured by LCR-meter 4284A (HP) or equivalent.
 (2) DC Resistance is measured by Digital Multimeter TR6871 (Advantest) or equivalent.
 (3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).

TYPE 3DF (Unshielded)

TOKO Part Number	Inductance ⁽¹⁾ (μH)	Test Frequency (kHz)	Rated DC Current ⁽³⁾ (A) max.	DC Resistance ⁽²⁾ (Ω) max.
A682AY-1R0M=P3	1.0±20%	100	1.34	0.072
A682AY-1R5M=P3	1.5±20%	100	1.22	0.084
A682AY-2R2M=P3	2.2±20%	100	1.08	0.108
A682AY-3R3M=P3	3.3±20%	100	0.97	0.134
A682AY-4R7M=P3	4.7±20%	100	0.91	0.160
A682AY-6R8M=P3	6.8±20%	100	0.79	0.197
A682AE-100M=P3	10.0±20%	100	0.63	0.330
A682AE-120M=P3	12.0±20%	100	0.59	0.350
A682AE-150M=P3	15.0±20%	100	0.56	0.400
A682AE-180M=P3	18.0±20%	100	0.51	0.450
A682AE-220M=P3	22.0±20%	100	0.47	0.534
A682AE-270M=P3	27.0±20%	100	0.43	0.618
A682AE-330M=P3	33.0±20%	100	0.37	0.903
A682AE-390M=P3	39.0±20%	100	0.34	1.010
A682AE-470M=P3	47.0±20%	100	0.29	1.355
A682AE-560M=P3	56.0±20%	100	0.28	1.515
A682AE-680M=P3	68.0±20%	100	0.26	1.713
A682AE-820M=P3	82.0±20%	100	0.22	2.312
A682AE-101M=P3	100.0±20%	100	0.21	2.640
A682AE-121M=P3	120.0±20%	100	0.19	3.502
A682AE-151M=P3	150.0±20%	100	0.17	4.132
A682AE-181M=P3	180.0±20%	100	0.16	4.534
A682AE-221M=P3	220.0±20%	100	0.13	6.646
A682AE-271M=P3	270.0±20%	100	0.12	7.523

Note: =P3 is added to each part number to indicate tape and reel packaging.