

# Miniature High Current Choke

## MN453-xx Series

### Features:

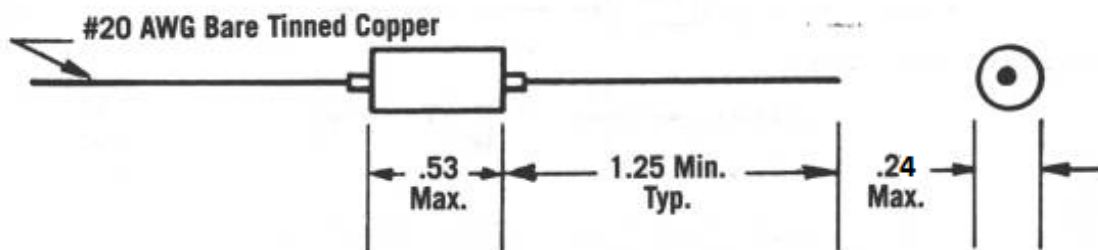
- Axial leaded miniature choke.
- High current application, Range 1A - 3.5A based on 25W power dissipation for approx. 20°C temperature rise, depending on the application. These units may be operated at up to twice the rated current.
- RoHS Compliant available upon request.

### Specifications:

- Inductance measured at 1KHz, 0.1vrms
- Dielectric withstanding voltage - 1000Vrms
- Electrical specification at 25°C
- Operating temperature range -55°C to +105°C
- Effective Inductance and Q measured at frequencies specified in accordance with MIL-C-15303
- Incremental current (INCRI) is the minimum current at which the inductance will be decreased by 5% from its initial (zero-DC) value.

Photo

Dimensions in inches.



#### Notes:

- Dimensions are for reference only.
- Coil Form - Ferrite
- Magnet wire - Type B per MIL-W-538
- Cover - Polyester Alpha-cellulose
- Coating - Polyurethane per MIL-1-46058

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## MN453-xx Series/C-B 6470-xx

Manutech P/N	C-B P/N	Nominal Inductance	Max. DCR Ohms	Min. SRF (MHz)	RATED IDC mA	INCRI mA	Min. Q	Test Freq. MHz
MN453-1	6470-1	4uH	0.02	90	3500	2100	14	7.9
MN453-2	6470-2	6uH	0.03	80	2800	1800	12	7.9
MN453-3	6470-3	8uH	0.04	70	2500	1600	12	7.9
MN453-4	6470-4	10uH	0.05	52	2200	1400	40	2.5
MN453-5	6470-5	15uH	0.06	40	2000	1100	35	2.5
MN453-6	6470-6	20uH	0.07	11	1800	900	35	2.5
MN453-7	6470-7	25uH	0.08	8.0	1700	600	30	2.5
MN453-8	6470-8	50uH	0.14	4.5	1300	600	20	2.5
MN453-9	6470-9	75uH	0.16	4.0	1200	500	15	2.5
MN453-10	6470-10	100uH	0.22	3.0	1000	400	25	1.79



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