

RF Conformal Coated Inductors AMC8

AMS8 choke (Large Bobbin Core)
 Rated inductance 1 μ H to 100 000 μ H
 Rated current 20 mA to 2200 mA

Construction

- Large ferrite drum core
- Winding: enamel copper wire
- Flame-retardant lacquer coating

Features

- Very wide inductance range
- High rated current
- Suitable for wave soldering
- RoHS-compatible

Applications

- RF blocking and filtering
- Decoupling and interference suppression
- For telecommunications (12- or 16-kHz blocking filter), automotive electronics, energy-saving lamps, entertainment electronics

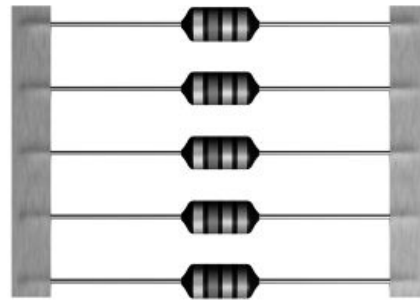
Terminals

- Central axial leads
- Base material Cu
- Hot-dipped with pure tin

Delivery mode and packing units

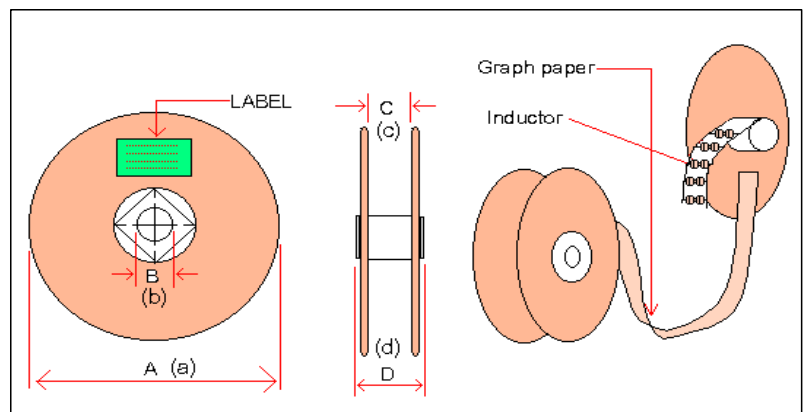
- Taped, Ammo and reel packing
- Packing units:

Ammo (pcs./pack.)	Reel (pcs./reel)
1000	1500

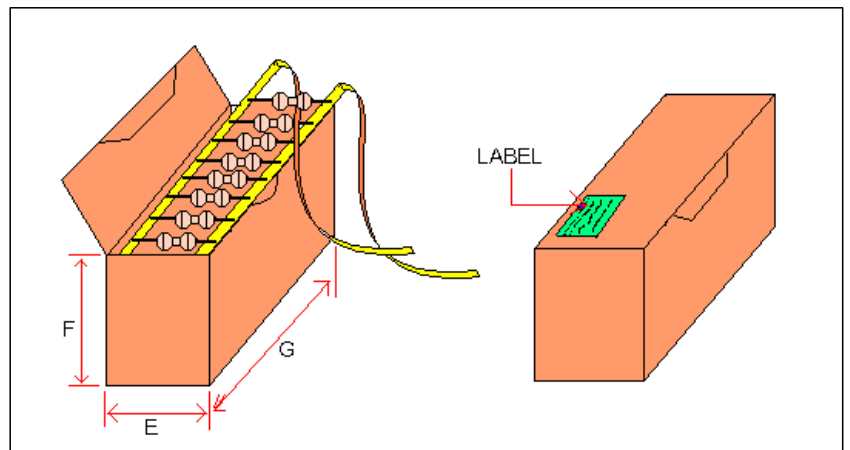


Dimension of Reel Packing & Ammo Box Packing

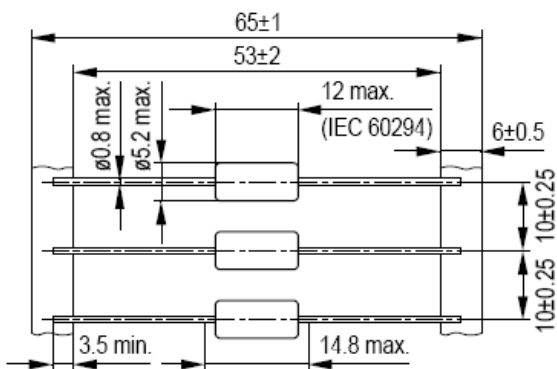
REEL PACKING



AMMO BOX PACKING



Dimensional drawing



Characteristics

Operating temperature	-55°C to +125°C
Inductance tolerance	+/-3%, +/- 5%, +/- 10%
Testing (Equivalent acceptable)	L & Q : HP 4284A LCR METER Measuring frequency: L ≤ 10 μ H = 1 MHz 10 μ H < L ≤ 4700 μ H = 100 kHz L > 4700 μ H = 10 kHz Measuring current: ≤ 1 mA Measuring temperature: 20 °C IDC : 11021 current source & DCR meter RDC : HP4263B current source & DCR meter SRF : HP-4191A .HP-4291B
Rated current	Based on the inductance change within 10% of initial value
Marking	EIA 4 band color code

DIMENSION OF TAPE & REEL & AMMO (UNIT:mm)

SYMBOL	DIMENSION	SYMBOL	DIMENSION
(OLD TYPE)			
A	357+/-2mm	E	85+/-2mm
B	17+/-2mm	F	140+/-2mm
C	66+/-2mm	G	255+/-2mm
D	80+/-2mm		

PART NUMBER	L (uH)	Q Min	TEST	DCR (Ohms)	SRF (MHz)	IR
			FREQ (Q-MHZ)	Max	Min	(mA) Max
AMC8-1R0K	1.0	40	7.96	0.08	200	2200
AMC8-1R5K	1.5	40	7.96	0.09	190	2100
AMC8-2R2K	2.2	40	7.96	0.11	140	1900
AMC8-3R3K	3.3	40	7.96	0.13	120	1750
AMC8-4R7K	4.7	40	7.96	0.16	100	1600
AMC8-6R8K	6.8	40	7.96	0.19	80	1500
AMC8100K	10	60	2.52	0.22	60	1400
AMC8-150K	15	60	2.52	0.28	20	1250
AMC8-220K	22	50	2.52	0.35	12	1100
AMC8-330J	33	40	2.52	0.43	8.0	900
AMC8-470J	47	40	2.52	0.50	5.0	800
AMC8-680J	68	30	2.52	0.60	4.5	700
AMC8-101J	100	50	0.796	0.70	3.5	600
AMC8-151J	150	50	0.796	0.90	3.0	500
AMC8-221J	220	50	0.796	1.60	2.4	400
AMC8-331J	330	50	0.796	1.90	2.0	330
AMC8-471J	470	40	0.796	2.50	1.5	280
AMC8-681J	680	30	0.796	2.80	1.3	240
AMC8-102J	1000	60	0.252	3.80	1.2	200
AMC8-152J	1500	60	0.252	6.00	1.0	160
AMC8-222J	2200	60	0.252	9.00	0.8	120
AMC8-332J	3300	60	0.252	12.0	0.6	110
AMC8-472J	4700	60	0.252	20.0	0.5	90
AMC8-682J	6800	60	0.252	30.0	0.4	80
AMC8-103J	10000	50	0.0796	42.0	0.35	60
AMC8-153J	15000	50	0.0796	68.0	0.30	50
AMC8-223J	22000	50	0.0796	120	0.26	40
AMC8-333J	33000	50	0.0796	150	0.22	35
AMC8-473J	47000	40	0.0796	230	0.18	30
AMC8-683J	68000	40	0.0796	290	0.15	25
AMC8-104J	100000	30	0.0796	420	0.12	20

For telecommunications in the blocking filter for 12-kHz and 16-kHz counting pulses

PART NUMBER	L (uH)	Q Min	TEST	DCR (Ohms)	SRF (MHz)	IR
			FREQ (Q-MHZ)	Max	Min	(mA) Max
AMC8-980H	980	25	0.016	3.80	1.2	200
AMC8-1450H	1450	25	0.016	6.00	1.0	140
AMC8-2600H	2600	20	0.012	11.0	0.7	120
AMC8-3050H	3050	25	0.016	12.0	0.6	100
AMC8-5330H	5330	20	0.012	25.0	0.5	90

