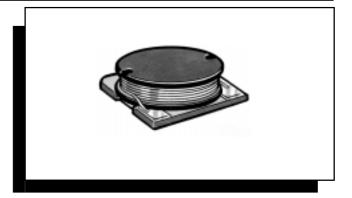
MEGGITT SIGMA

AXIAL INDUCTORS SMD INDUCTORS THIN FILM PRINTED INDUCTORS POWER CHOKES IN RADIAL AND AXIAL STYLE

High Power Choke SMD

TYPE 3617 SERIES



The 3619 is an innovative design for a high power SMD choke. It combines Meggitt Sigma quality with low price and high long term reliability.

The layout and profile make it a highly appropriate component for modern industrial equipments, power supplies, bench test instruments, and automotive requirements where long life and high reliability are key design requirements.

MEGGITT SIGMA KEY FEATURES

- LOW PROFILE CONSTRUCTION
- WIDE VALUE RANGE
- ATTRACTIVELY PRICED
- **CLEAR SURFACE MARKING**
- RAPID RESPONSE
- **TAPED AND REELED**
- **CUSTOM DESIGNS POSSIBLE**



SALES ACTION DESK TEL: (01793 611666) FAX: (01793 611777)

EMAIL: sales@megelec.co.uk

WEB SITE: www.meggittelectronics.com

ELECTRICAL

Time	Inductance	Q Ref.	Test Freq. (Hz)		SRF	RDC	IDC
Туре	(μΗ)		L	Q	(MHZ) Nom.	(Ω) Max.	(mA) Max.
3617 - 41K	471 ± 10%	30	1K	796K	5.8	2.10	100
3617 - 56K	$561 \pm 10\%$	25	1K	796K	5.6	2.40	95
3617 - 68K	$681 \pm 10\%$	34	1K	796K	4.8	2.90	90
3617 - 82K	$821 \pm 10\%$	30	1K	796K	4.4	3.40	85
3617 - 102K	$1000 \pm 10\%$	47	1K	252K	4.0	4.00	80
3617 - 122K	$1200 \pm 10\%$	58	1K	252K	3.6	4.80	72
3617 - 152K	$1500 \pm 10\%$	52	1K	252K	3.4	5.80	65
3617 - 182K	$1800 \pm 10\%$	67	1K	252K	2.6	7.20	55
3617 - 222K	$2200 \pm 10\%$	56	1K	252K	2.5	9.00	50
3617 - 272K	$2700 \pm 10\%$	64	1K	252K	2.4	12.00	42
3617 - 302K	$3000 \pm 10\%$	54	1K	252K	2.3	15.00	35
3617 - 332K	$3300 \pm 10\%$	58	1K	252K	2.0	16.50	32
3617 - 392K	$3900 \pm 10\%$	65	1K	252K	1.8	18.00	30
3617 - 472K	$4700 \pm 10\%$	62	1K	252K	1.7	22.50	28
3617 - 502K	$5000 \pm 10\%$	60	1K	252K	1.6	25.00	25

MECHANICAL

Core: Ferrite DQ core

Base: Double size PCB FR - 4

Wire: 2 - UEW
Adhesive: Expoxy resin
Solder: 63/37

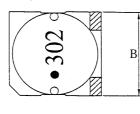
ENVIRONMENTAL

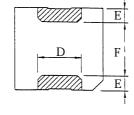
Temperature Rise: 40°C max.

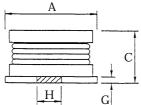
Rated Current: Base on temp. rise & $\Delta L/LOA=10\%$ max.

 $\begin{array}{lll} \mbox{Storage Temperature:} & -25\mbox{°C to } +85\mbox{°C} \\ \mbox{Operating Temperature:} & -20\mbox{°C to } +80\mbox{°C} \\ \mbox{Resistance to Solder Heat:} & 260\mbox{°C} & 10\mbox{ seconds} \\ \end{array}$

DIMENSIONS





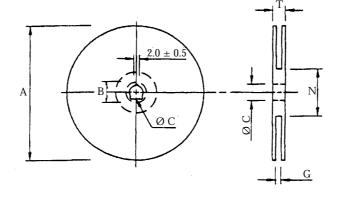


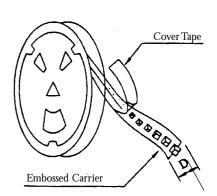
Series	A	В	С	D	E	F	G	Н
3617	7.8+0	7.8+0	3.5±0.2	4.0±0.2	2.5±0.2	2.6±0.2	0.6	2.0

All dimensions are in mm. Unless otherwise shown. Do not scale

PACKAGING

(1) Configuration





Carrier Tape Width: D

(2) Dimensions

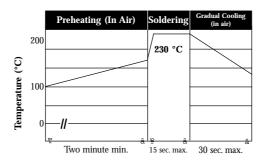
Style	A	В	С	D	G	N	Т	
13 - 16	330	21 ± 0.8	13	24	26+0	50-0	30.4	

(3) Q'ty & G.W. per Package

Series	Inner : Reel				
Series	Q'ty (Pcs)	G.W. (gw)	Style		
3619	1000	600	13 - 16		

All dimensions are in mm. Unless otherwise shown. Do not scale

RECOMMENDED SOLDERING CONDITIONS



HOW TO ORDER

3617 	A	680 	K 	T
COMMON PART	PRODUCT STYLE	INDUCTANCE VALUE	TOLERANCE	PACKING STYLE
3617 - High Power SMD Wound Choke	А	See Table Above	K - ± 10%	T - Tape & Reeled



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