SMD FERRITE BEAD

P7645 SERIES

Features

- Lead free (Pb-free)
- RoHS compliant
- Resistance to solder heat: 260ºC , 10 sec
- Surface Mount
- Low profile
- Flat top for pick & place

Applications

- DC-DC Converters
- Notebook and handheld equipment
- LCD TV sets
- Consumer products

DESCRIPTION

The P7645 series comprises of large current, ferrite bead in low profile size (1.5 mm max.).

The range covers inductance values from 60Ω to 200Ω, and provides compact solutions for medium power applications.

The P7645 series is compliant with RoHS Directive 2002/95/EC and suitable for lead-free and conventiona placement and reflow.







RoHS COMPLIANT

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS:

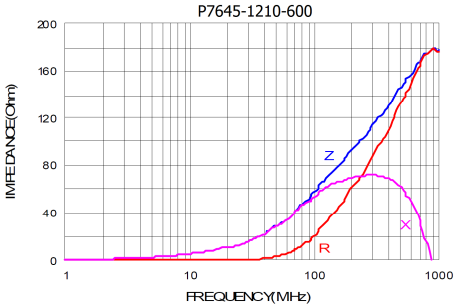
1210 (3225) size

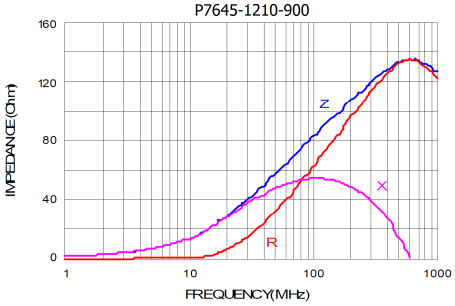
Part No	Impedance (Ω)	Test Frequency (MHz)	RDC (Ω)	Ir (mA) max
P7645-1210-600	60 ±25%	100	0,03	4000
P7645-1210-900	90 ±25%	100	0,10	2000
P7645-1210-151	150 ±25%	100	0,02	5000
P7645-1210-200	200 ±25%	100	0,03	4000

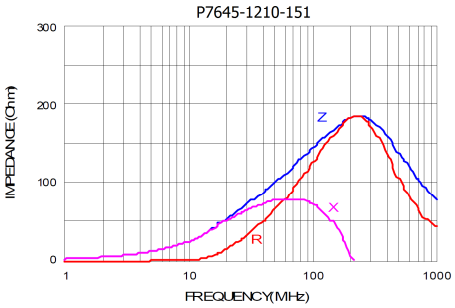
GENERAL SPECIFICATION:

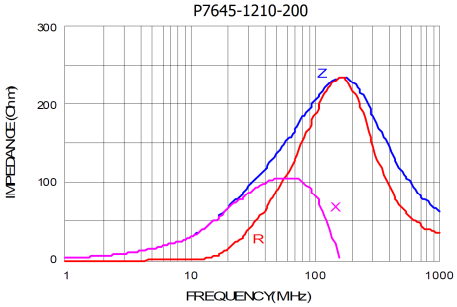
Temperature rise 30℃ Max
Rated current based on temperature rise
Storage temperarture -55℃ to +125℃
Operating temperature -55℃ to 125℃
Resistance to solder heat 260℃ fo 10 seconds

CHARACTERISTICS CURVES:





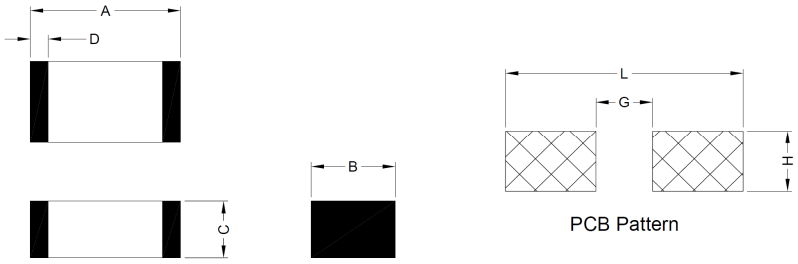




RoHS COMPLIANT

SPECIFICATIONS

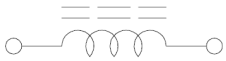
DIMENSIONS:



Unit:m/m

A	B	C	D	G	H	L
3.20±0.20	2.50±0.20	1.30±0.20	0.50±0.30	2.20 Ref.	3.40 Ref.	4.40 Ref.

SCHEMATIC:



ORDERING CODE:

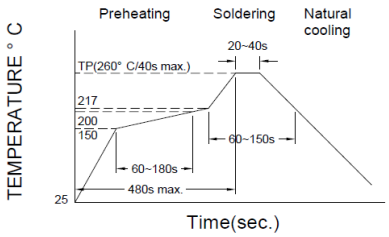
P7645-□□□□ -□□□

Inductance code

Size code

Type code

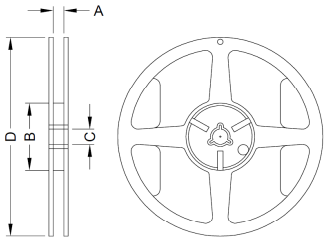
RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERING:



RoHS COMPLIANT

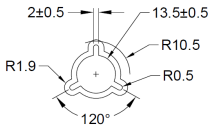
PACKING:

Reel Dimension

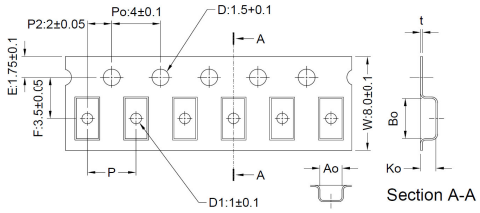


7" x 8mm

Type	A(mm)	B(mm)	C(mm)	D(mm)
7" x 8mm	9.0±0.5	60.0±2.0	13.5±0.5	178.0±2.0



Material : Plastic



Bo(mm)	Ao(mm)	Ko(mm)	P(mm)	t(mm)	D1(mm)
3.42±0.10	2.77±0.10	1.55±0.10	4.0±0.1	0.22±0.05	1.0±0.1

Packaging Quantity

Chip / Reel	2500
Inner Box	12500
Middle Box	62500
Carton	125000
Bulk (Bags)	30000

Handle in accordance with IPC/JEDEC
J-STD-033 procedure for components classified as IPC/JEDEC J-STD-020 Moisture Sensitivity Level 2

RoHS COMPLIANT

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