

## L1007C6R8MDWST

Aliases (L1007C6R8MDWST)

Not for New Design

KEMET, L-DWS, Power, 6.8 uH, 20%



Click [here](#) for the 3D model.

### Dimensions

Chip Size	1007
L	2.5mm +/-0.2mm
W	1.8mm +/-0.2mm
T	1.8mm +/-0.2mm
LL	0.5mm +/-0.2mm
B	0.5mm +/-0.2mm

### Packaging Specifications

Packaging	T&R
Packaging Quantity	2000

### General Information

Series	L-DWS
Style	SMD Chip
Description	Surface Mount Inductor
Features	Standard Type
RoHS	Yes
Notes	Last Order Date June 30, 2023.

### Specifications

Inductance	6.8 uH (7.96 MHz)
Inductance Tolerance	20%
Temperature Range	-40/+105°C
Current	270 mAmps (Isat, 30% Drop In Inductance), 930 mAmps (Irms, 40C Rise By Self Heating)
DC Resistance	0.15 Ohms
Self-Resonant Frequency	38 MHz MIN

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