

# ET-559 SERIES

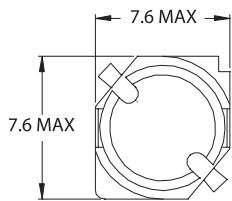


## SMD Power Inductors

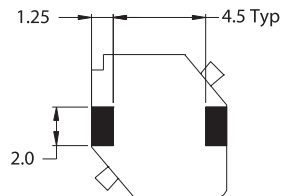
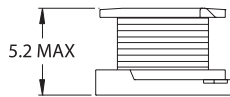


- Very Low DCR
- High current
- Low cost for wide application
- Custom versions available upon request
- Tape & Reel package

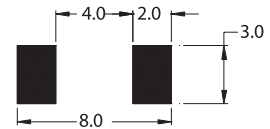
### Mechanical Dimensions:



(TOP VIEW)



(BOTTOM VIEW)



RECOMMENDED PCB LAYOUT

UNIT:mm

Part Number	Inductance <sup>1</sup> ( $\mu$ H)	DCR ( $\Omega$ max.)	Isat <sup>2</sup> (Adc)
ET - 559 - 1R0	1.0	0.023	2.9
ET - 559 - 1R5	1.5	0.028	2.6
ET - 559 - 2R2	2.2	0.032	2.4
ET - 559 - 3R3	3.3	0.038	2.2
ET - 559 - 4R7	4.7	0.049	1.9
ET - 559 - 6R8	6.8	0.060	1.7
ET - 559 - 100	10	0.070	1.6
ET - 559 - 120	12	0.080	1.5
ET - 559 - 150	15	0.090	1.4
ET - 559 - 180	18	0.100	1.3
ET - 559 - 220	22	0.120	1.2
ET - 559 - 270	27	0.140	1.1
ET - 559 - 330	33	0.170	1.0
ET - 559 - 390	39	0.190	0.91
ET - 559 - 470	47	0.220	0.84
ET - 559 - 560	56	0.290	0.72
ET - 559 - 680	68	0.370	0.66
ET - 559 - 820	82	0.460	0.58
ET - 559 - 101	100	0.550	0.51
ET - 559 - 121	120	0.670	0.42
ET - 559 - 151	150	0.900	0.37
ET - 559 - 181	180	1.050	0.35
ET - 559 - 221	220	1.350	0.29
ET - 559 - 271	270	1.550	0.28
ET - 559 - 331	330	2.050	0.23
ET - 559 - 391	390	2.300	0.21
ET - 559 - 471	470	2.600	0.19

1. Inductance tested at 100kHz, 0.1Vrms, 0Adc.  
 Tolerance 1.0  $\mu$ H~6.8  $\mu$ H  $\pm$ 20% 10  $\mu$ H~470  $\mu$ H  $\pm$ 10%  
 2. Inductance drop = 10% typ. at rated Isat.  
 3.  $\Delta$ T = 45°C rise typ.  
 4. Operating temperature range -40°C to + 85°C.  
 5. Electrical specifications at 25°C.