

OWIHP1770A

Alloy metal molded



Description

Carbonyl power inductor

Features

Carbonyl powder inductor, stable performance parameters.
Excellent reliability.
Low loss and low DCR
Very low leakage flux.
Compliant with AEC Q200.
Frequency up to 3MHz.

Applications

Automotive Accessories
Automotive Infotainment
Automotive industry components
Various industrial products

Characteristics

Test Voltage	0.25V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-55°C to +125°C
Storage Temp	0 to 40°C
Storage Humidity	<70% RH
Resistance to Soldering Heat	260°C for 10 sec
Rated Current	L drops off 30% typ at Isat
Temperature Rise	40°C typ. at Irms

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWIHP1770A-T01-1R0	1.35	73.00	48				
OWIHP1770A-T01-1R5	1.88	65.00	42				
OWIHP1770A-T01-1R8	2.07	65.00	38				
OWIHP1770A-T01-2R2	2.53	62.00	35				
OWIHP1770A-T01-3R3	3.88	54.00	28				
OWIHP1770A-T01-4R7	5.11	41.00	25				
OWIHP1770A-T01-5R6	7.05	40.00	21				
OWIHP1770A-T01-6R8	8.83	32.00	19				
OWIHP1770A-T01-8R2	10.70	25.00	18				
OWIHP1770A-T01-100	12.00	25.00	16,5				
OWIHP1770A-T01-150	19.90	25.00	12,5				
OWIHP1770A-T01-220	26.50	23.00	11				
OWIHP1770A-T02-1R0	1.27	32.00	55,5				
OWIHP1770A-T02-1R5	1.62	31.00	48				
OWIHP1770A-T02-2R2	1.98	28.00	43,5				
OWIHP1770A-T02-	2.93	27.00	35				

3R3			
OWIHP1770A-T02-4R7	4.18	21.00	30
OWIHP1770A-T02-5R6	4.60	21.00	28
OWIHP1770A-T02-6R8	6.15	18.50	22,5
OWIHP1770A-T02-8R2	8.10	18.00	21
OWIHP1770A-T02-100	9.33	17.00	19
OWIHP1770A-T02-150	14.40	12.00	14
OWIHP1770A-T02-220	21.00	9.50	12
OWIHP1770A-T02-330	37.00	9.00	10,7
OWIHP1770A-T02-470	42.70	8.60	8,7
OWIHP1770A-T02-560	57.80	4.20	7,2
OWIHP1770A-T02-680	75.70	4.50	6,1
OWIHP1770A-T02-820	91.70	4.50	5,5
OWIHP1770A-T02-101	110.00	4.00	5
OWIHP1770A-T03-330	38.00	13.00	8,5
OWIHP1770A-T03-470	58.00	11.00	6,5
OWIHP1770A-T03-680	100.00	9.00	5
OWIHP1770A-T03-820	110.00	8.00	4,7
OWIHP1770A-T03-101	140.00	7.00	4,2

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
17.00 ±0.35	18.00 ±0.35	7.00 Max.	12 Ref	2,5 Ref			12,5 Ref	5,25 Ref	10 Ref	

