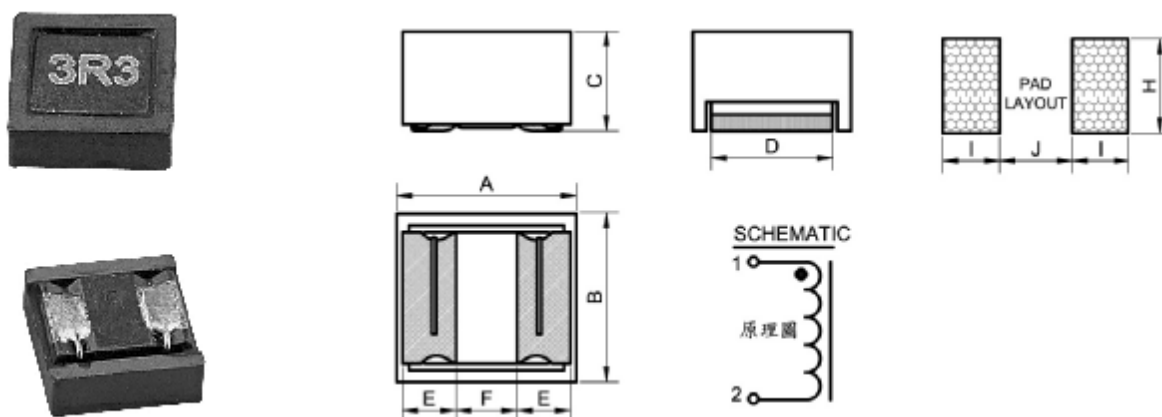


Shape and size: (Dimensions are in mm)


ITEM	A	B	C	D	E	F	H	I	J
SMTSDR322515S	3.5±0.2	3.6±0.2	1.8±0.2	2.5±0.2	0.7min	0.7min	2.0	1.5	1.0
SMTSDR322520S	3.5±0.2	3.6±0.2	2.1±0.2	2.5±0.2	0.7min	0.7min	2.0	1.5	1.0

Features:

- Low profile dimension and small size, suitable for portable equipment.
- Large inductance of 3.3To820uH.
- Magnetically shielded structure prevents interference occurring between peripheral components.

Ordering information:

SMT **SDR322515S** - **220** **M**

(1) (2) (3) (4)

(1) Type: **Surface Mounting Type**.

(2) Style: **SDR** Type core; **L**=3.2mm **W**=2.5mm **H**=1.5mm

S: Magnetically shielded structure

(3) Inductance: **220f**for **22uH**.

(4) Inductance tolerance: **N** ± 30%; **M**± 20%.

Inductance and rated current ranges:

- SMTSDR322515S 3.3~820uH 320~20mA
- SMTSDR322520S 3.3uH~2200uH 500~20mA
- Test equipments :
- L tested by Agilent 4284A Precision LCR meter.
- SRF tested by Agilent 4291B RF Impedance Analyzer.
- DCR tested by Milli-ohm meter.

Characteristics:

- Rated DC Current: It is either the inductance is 20% lower than its initial value in D.C. saturation characteristics or temperature raise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$), whichever is lower.
- Operating temperature : -20 °C to 80 °C.

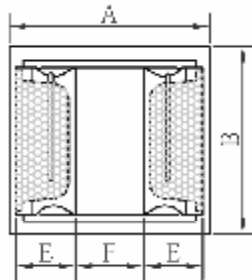
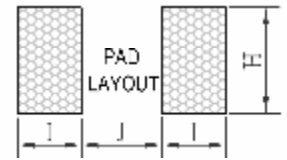
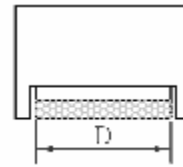
Applications:

- EL display drive.
- Portable equipment.

- Electrical specifications at 25°C.

Part No.	Inductance	Test Freq.	DCR (OHM)	Rated Current	SRF (MHz)
	L (uH)	(@ 0.1V)	Max.	(mA) Max.	Min.
SMTSDR322515S-3R3N	3.3	1 MHz	0.09	320	50
SMTSDR322515S-4R7N	4.7	1 MHz	0.12	260	42
SMTSDR322515S-6R8N	6.8	1 MHz	0.13	210	35
SMTSDR322515S-100M	10	1 MHz	0.22	180	28
SMTSDR322515S-220M	22	1 MHz	0.52	120	19
SMTSDR322515S-330M	33	1 MHz	0.65	100	16
SMTSDR322515S-471M	470	100 KHZ	9.00	30	4.2
SMTSDR322515S-561M	560	100 KHZ	9.90	30	3.8
SMTSDR322515S-821M	820	100 KHZ	20.0	20	2.7

SMTSDR322520S-3R3N	3.3	1 MHz	0.062	500	70.0
SMTSDR322520S-4R7N	4.7	1 MHz	0.082	460	50.0
SMTSDR322520S-6R8N	6.8	1 MHz	0.1	360	40.0
SMTSDR322520S-100N	10.0	1 MHz	0.14	320	30.0
SMTSDR322520S-220N	22.0	1 MHz	0.27	180	20.0
SMTSDR322520S-330N	33.0	1 MHz	0.43	120	16.0
SMTSDR322520S-470N	47.0	1 MHz	0.56	110	13.0
SMTSDR322520S-680N	68.0	1 MHz	0.91	100	10.0
SMTSDR322520S-101N	100	100 KHz	1.2	90	7.0
SMTSDR322520S-221N	220	100 KHz	2.45	75	4.0
SMTSDR322520S-331N	330	100 KHz	4.7	70	3.7
SMTSDR322520S-471N	470	100 KHz	5.2	60	3.0
SMTSDR322520S-561N	560	100 KHz	6.8	50	2.7
SMTSDR322520S-681N	680	100 KHz	11.9	40	2.3
SMTSDR322520S-102N	1000	10 KHz	14.3	30	2.1
SMTSDR322520S-152N	1500	10 KHz	22.0	25	1.7
SMTSDR322520S-222N	2200	10 KHz	30.0	20	1.2

Shape and size: (Dimensions are in mm)


ITEM	A	B	C	D	E	F	H	I	J
SMTSDR453226S	4.8±0.3	4.2±0.3	2.8±0.3	3.2±0.2	1.0min	1.0min	3.0	2.0	1.2

Features:

- Low profile dimension and small size, suitable for portable equipment.
- Low DC resistance, high rated current and high inductance
Large inductance of 0.82 to 4700 uH.
- Magnetically shielded structure prevents interference occurring between peripheral components.

Ordering information:

- SMT SDR453226S - 472 M**
 (1) (2) (3) (4)
- (1) Type: Surface Mounting Type.
 (2) Style: SDR Type Core; L=4.5mm W=3.2mm H=2.6mm
 S: Magnetically shielded structure
 (3) Inductance: 472 for 4700uH.
 (4) Inductance tolerance: N: ±30% M: ± 20%

Inductance and rated current ranges:

- SMTSDR453226S 0.82uH~4700uH 1000~20mA
- Test equipments :
 L tested by Agilent 4284A Precision LCR meter.
 SRF tested by HP4291B RF Impedance Analyzer.
 DCR tested by Milli-ohm meter .
- Electrical specifications at 25°C .

Characteristics:

- Rated DC Current : Obtained when the inductance is 80% more than its initial value and temperature rise
 $\Delta t = 40^{\circ}\text{C}$ lower.
- Operating temperature : -20°C to 80°C .

Applications:

- EL、OLED display drive.
- Portable equipment.
- DC/DC Converters, etc.

Part NO.	Inductance	Test Freq.	DCR OHM	Rated Current	SRF (MHz)
	L (uH)	(0.1V)	Max	(mA) Max	Min
SMTSDR453226S-R82N	0.82	1MHz	0.043	1000	180
SMTSDR453226S-1R2N	1.2	1MHz	0.056	900	140
SMTSDR453226S-2R0N	2.0	1MHz	0.068	800	120
SMTSDR453226S-2R7N	2.7	1MHz	0.075	700	80
SMTSDR453226S-3R9N	3.9	1MHz	0.082	650	70
SMTSDR453226S-4R7N	4.7	1MHz	0.10	600	50
SMTSDR453226S-5R6N	5.6	1MHz	0.11	550	38
SMTSDR453226S-6R8N	6.8	1MHz	0.12	500	30
SMTSDR453226S-8R2N	8.2	1MHz	0.13	450	26
SMTSDR453226S-100N	10.0	1MHz	0.15	400	24
SMTSDR453226S-120N	12.0	1MHz	0.17	380	21
SMTSDR453226S-150N	15.0	1MHz	0.25	340	19
SMTSDR453226S-180N	18.0	1MHz	0.27	300	15
SMTSDR453226S-220N	22.0	1MHz	0.3	280	13
SMTSDR453226S-270N	27.0	1MHz	0.33	260	12
SMTSDR453226S-330N	33.0	1MHz	0.39	240	10
SMTSDR453226S-390N	39.0	1MHz	0.43	220	9.0
SMTSDR453226S-470N	47.0	1MHz	0.47	200	8.0
SMTSDR453226S-560N	56.0	1MHz	0.52	180	7.0
SMTSDR453226S-680N	68.0	1MHz	0.56	160	6.0
SMTSDR453226S-820N	82.0	1MHz	0.91	150	5.5
SMTSDR453226S-101M	100.0	100KHz	1.0	140	5.0
SMTSDR453226S-121M	120.0	100KHz	1.1	130	4.5
SMTSDR453226S-151M	150.0	100KHz	1.35	120	4.0
SMTSDR453226S-181M	180.0	100KHz	1.65	110	3.6
SMTSDR453226S-221M	220.0	100KHz	2.0	100	3.2
SMTSDR453226S-271M	270.0	100KHz	2.5	90	2.8
SMTSDR453226S-331M	330.0	100KHz	2.7	85	2.6
SMTSDR453226S-391M	390.0	100KHz	3.6	80	2.2
SMTSDR453226S-471M	470.0	100KHz	3.9	70	2.0
SMTSDR453226S-561M	560.0	100KHz	4.7	65	1.6
SMTSDR453226S-681M	680.0	100KHz	6.8	60	1.4
SMTSDR453226S-821M	820.0	100KHz	7.5	55	1.3
SMTSDR453226S-102M	1000.0	10KHz	8.2	50	1.2
SMTSDR453226S-122M	1200.0	10KHz	12.0	45	1.1
SMTSDR453226S-152M	1500.0	10KHz	14.0	40	1.0
SMTSDR453226S-182M	1800.0	10KHz	16.5	35	0.9
SMTSDR453226S-222M	2200.0	10KHz	18.0	30	0.6
SMTSDR453226S-472M	4700.0	10KHz	50.0	20	0.5