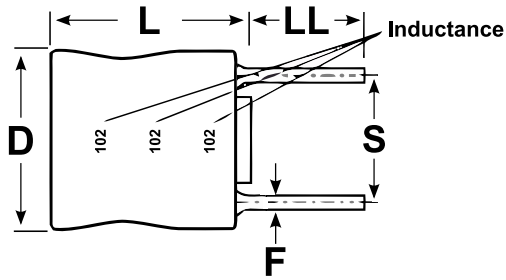


**KEMET Part Number: SBC1-6R8-182**  
(UPIN16R8182000)

KEMET, SBC1, Power, 6.8 uH, 20%, 3mm



### General Information

<b>Series:</b>	SBC1
<b>Style:</b>	Through-Hole
<b>Description:</b>	Radial Leaded, Ferrite Power Inductors
<b>Features:</b>	DC-DC Converters, Nickel-Zinc (NiZn) Ferrite Core
<b>RoHS:</b>	Yes
<b>Lead:</b>	Wire Leads
<b>Core:</b>	Ferrite
<b>Miscellaneous:</b>	Soft Lead Terminal

### Dimensions

<b>D</b>	5.5mm MAX
<b>L</b>	8.5mm MAX
<b>S</b>	3mm NOM
<b>LL</b>	3.5mm +1/-0.5mm
<b>F</b>	0.3mm NOM

### Specifications

<b>Inductance:</b>	6.8 uH
<b>Inductance Tolerance:</b>	20%
<b>Temperature Range:</b>	-20/+105°C
<b>Shielded:</b>	No
<b>Current:</b>	1.8 Amps
<b>DC Resistance:</b>	0.06 Ohms

### Packaging Specifications

<b>Component Weight:</b>	500 mg
<b>Packaging:</b>	Bulk
<b>Packaging Quantity:</b>	10000

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