

## Type FS (1.0 ~ 1200)miliH

- # Ferrite shielded
- # High Q
- # High S.R.F.
- # Radial mounting
- # Small size

The type FS radial shielded inductors provide compact high value inductance with minimum interference, the use of high performance ferrite material results in high Q components from (1.0 ~ 1200)miliH. Unique wire to ferrite terminations provide excellent mechanical strength and the product is epoxy filled for maximum protection against humidity and may additionally be sleeved to customer order.

### Electrical specification

<b>Case style</b>	<i>FS radial</i>
<b>Range</b>	<i>(1.0 ~ 1200)miliH</i>
<b>Marking</b>	<i>Heat shrink sleeve as required or to customer order</i>
<b>Temperature range</b>	<i>(-20 +80)°C, based on max. ambient temp. rating at +60°C and max. temp. rise of +20°C during operation</i>
<b>Voltage rating</b>	<i>250V r.m.s. max.</i>
<b>Current rating</b>	<i>Based on max. permissible temp. rise during operation</i>
<b>Lead tensile strength</b>	<i>2.5Kg min.</i>
<b>Lead bending strength</b>	<i>0.5Kg min.</i>
<b>Moisture resistance</b>	<i>H ±5% max., Q ±10% max., relative humidity 90% ~ 95%, +40°C, 24 hours</i>

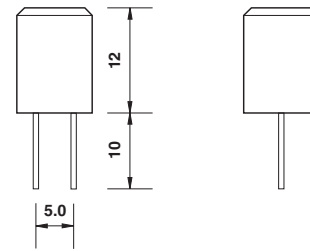
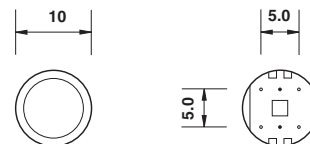
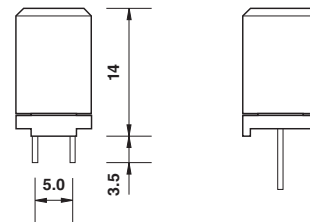
### Standard values

#### Type FS 1012

TFC Part No.	milliH ±10%	Q min.	Test Freq. kHz	Ω d.c. max.	I d.c. max. mA
FS 1012 - 122K	1.2	50	252	1.2	200
FS 1012 - 152K	1.5	50	252	1.5	200
FS 1012 - 182K	1.8	50	252	1.6	200
FS 1012 - 222K	2.2	50	252	1.8	200
FS 1012 - 272K	2.7	50	252	1.9	200
FS 1012 - 332K	3.3	40	252	2.3	200
FS 1012 - 392K	3.9	40	252	2.5	200
FS 1012 - 472K	4.7	40	252	3.7	140
FS 1012 - 502K	5.0	40	252	3.8	140
FS 1012 - 562K	5.6	40	252	4.0	140
FS 1012 - 682K	6.8	40	252	4.2	140
FS 1012 - 822K	8.2	40	252	5.3	140
FS 1012 - 103K	10	100	79.6	7.3	100
FS 1012 - 123K	12	100	79.6	8.3	100
FS 1012 - 153K	15	100	79.6	11	90
FS 1012 - 183K	18	100	79.6	13.6	75
FS 1012 - 223K	22	100	79.6	15.4	75
FS 1012 - 273K	27	100	79.6	17.9	75
FS 1012 - 333K	33	100	79.6	23.3	60
FS 1012 - 393K	39	100	79.6	25.9	60
FS 1012 - 473K	47	80	79.6	30.4	60
FS 1012 - 503K	50	80	79.6	37.8	50
FS 1012 - 563K	56	80	79.6	39.1	50
FS 1012 - 683K	68	50	79.6	40	50
FS 1012 - 823K	82	50	79.6	47	40
FS 1012 - 104K	100	120	25.2	50	40
FS 1012 - 124K	120	100	25.2	91	30
FS 1012 - 154K	150	90	25.2	140	20
FS 1012 - 184K	180	90	25.2	164	20
FS 1012 - 224K	220	90	25.2	182	20
FS 1012 - 274K	270	90	25.2	200	20
FS 1012 - 334K	330	80	25.2	275	15
FS 1012 - 394K	390	80	25.2	300	15
FS 1012 - 474K	470	80	25.2	345	15
FS 1012 - 564K	560	60	25.2	520	8.4
FS 1012 - 684K	680	60	25.2	590	8.4
FS 1012 - 824K	820	50	25.2	675	8.4
FS 1012 - 105K	1000	50	25.2	770	8.4
FS 1012 - 125K	1200	50	25.2	845	8.4

**Type FSB 1014**

TFC Part No.	milliH ±10%	Q min. 1kHz	Test Freq.	Ω d.c. max. MHz for Q
FSB 1014 - 102K	1.0	50	25.2	1.60
FSB 1014 - 122K	1.2	50	25.2	1.90
FSB 1014 - 152K	1.5	50	25.2	2.40
FSB 1014 - 182K	1.8	50	25.2	2.70
FSB 1014 - 222K	2.2	50	25.2	3.20
FSB 1014 - 272K	2.7	50	25.2	4.50
FSB 1014 - 332K	3.3	50	25.2	5.00
FSB 1014 - 392K	3.9	50	25.2	5.70
FSB 1014 - 472K	4.7	50	25.2	6.40
FSB 1014 - 562K	5.6	50	25.2	9.00
FSB 1014 - 682K	6.8	50	25.2	11.0
FSB 1014 - 822K	8.2	50	25.2	12.0
FSB 1014 - 103K	10	50	79.6	15.5
FSB 1014 - 123K	12	50	79.6	18.3
FSB 1014 - 153K	15	50	79.6	25.0
FSB 1014 - 183K	18	50	79.6	28.0
FSB 1014 - 223K	22	50	79.6	32.0
FSB 1014 - 273K	27	50	79.6	45.0
FSB 1014 - 333K	33	50	79.6	52.0
FSB 1014 - 393K	39	50	79.6	71.0
FSB 1014 - 473K	47	50	79.6	80.0
FSB 1014 - 563K	56	50	79.6	91.0
FSB 1014 - 683K	68	50	79.6	93.0
FSB 1014 - 823K	82	50	79.6	104
FSB 1014 - 104K	100	50	25.2	125
FSB 1014 - 124K	120	50	25.2	138

**Dimensions(mm)**
**FS1012**

**FSB1014**

**Ordering information**

 TFC Part No ----- **FS 10 12 474 K**
**FS** ----- Type No.

**10** ----- outside body diameter(mm),  
 ----- without sleeve

**12** ----- body length(mm),  
 ----- without sleeve

**474** ----- Inductance value code

**K** ----- Tolerance:

----- J = 5%, K = 10%, M = 20%