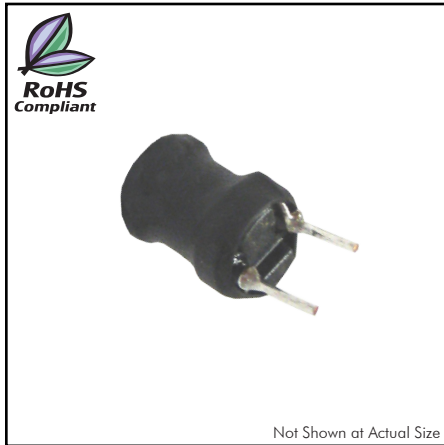


## 02-227F Series

From 1.0 $\mu$ H to 4,700 $\mu$ H



### CHARACTERISTICS

- Description:** Radial leaded fixed inductor (UL sleeved)
- Applications:** Ideal as a choke coil for noise filtering and DC/DC converter applications. General applications
- Operating Temperature:** -55°C to +125°C
- Temperature Coefficient:** 440ppm/ °C max.
- Inductance Tolerance:**  $\pm 5\%$ ,  $\pm 10\%$ ,  $\pm 20\%$
- Testing:** Inductance and Q are tested on an HP4285A at specified frequency
- Packaging:** Bulk pack
- Miscellaneous:** **RoHS Compliant**
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information**

### SPECIFICATIONS

Please specify tolerance code when ordering.  
02-227F-1R0\_ ← J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$

Part Number	Inductance ( $\mu$ H)	L Test Freq. (MHz)	Q Fact. Min.	Q. Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. ( $\Omega$ )	Rated DC (A)
02-227F-1R0_	1.0	7.96	20	7.96	150	.01	10.0
02-227F-1R5_	1.5	7.96	20	7.96	130	.01	8.5
02-227F-2R2_	2.2	7.96	20	7.96	100	.02	6.5
02-227F-3R3_	3.3	7.96	20	7.96	79	.02	5.5
02-227F-4R7_	4.7	7.96	20	7.96	51	.03	4.3
02-227F-6R8_	6.8	2.52	20	2.52	29	.03	3.7
02-227F-100_	10	2.52	50	2.52	14	.04	3.0
02-227F-120_	12	2.52	50	2.52	13	.05	2.6
02-227F-150_	15	2.52	40	2.52	12	.05	2.3
02-227F-180_	18	2.52	40	2.52	11	.06	2.2
02-227F-220_	22	2.52	40	2.52	9.2	.07	2.0
02-227F-270_	27	2.52	30	2.52	8.5	.08	1.7
02-227F-330_	33	2.52	30	2.52	7.8	.09	1.6
02-227F-390_	39	2.52	30	2.52	6.9	.10	1.5
02-227F-470_	47	2.52	30	2.52	6.5	.16	1.4
02-227F-560_	56	2.52	30	2.52	5.4	.18	1.3
02-227F-680_	68	2.52	30	2.52	4.9	.21	1.2
02-227F-820_	82	2.52	30	2.52	4.1	.23	1.1
02-227F-101_	100	.796	20	.796	3.7	.28	.91
02-227F-121_	120	.796	20	.796	3.4	.32	.84
02-227F-151_	150	.796	20	.796	3.2	.37	.74
02-227F-181_	180	.796	20	.796	2.8	.58	.69
02-227F-221_	220	.796	20	.796	2.7	.65	.64
02-227F-271_	270	.796	20	.796	2.4	.75	.57
02-227F-331_	330	.796	20	.796	2.3	.85	.54
02-227F-391_	390	.796	20	.796	2.1	1.0	.48
02-227F-471_	470	.796	20	.796	1.9	1.1	.46
02-227F-561_	560	.796	20	.796	1.8	1.4	.41
02-227F-681_	680	.796	20	.796	1.6	1.6	.38
02-227F-821_	820	.796	20	.796	1.5	1.8	.35
02-227F-102_	1000	.252	50	.252	1.3	2.9	.29
02-227F-122_	1200	.252	50	.252	1.1	4.0	.13
02-227F-152_	1500	.252	20	.252	1.0	6.1	.08
02-227F-182_	1800	.252	20	.252	1.0	6.4	.08
02-227F-222_	2200	.252	20	.252	0.9	6.8	.08
02-227F-272_	2700	.252	20	.252	0.9	7.7	.08
02-227F-332_	3300	.252	20	.252	0.7	9.0	.08
02-227F-392_	3900	.252	20	.252	0.6	14.0	.08
02-227F-472_	4700	.252	20	.252	0.5	16.0	.05

### PHYSICAL DIMENSIONS

Size	A	B	C	D	22 AWG
	Max.	Max.	Nom.	Nom.	
mm	11	8.5	5	5	0.643
inches	0.43	0.34	0.2	0.2	0.03

