

## 02-553F Series

From .30 $\mu$ H to 3.3 $\mu$ H



### CHARACTERISTICS

- Description:** SMD shielded power inductors
- Applications:** Graphic card, PC's, servers, and a variety of DC/DC converter applications
- Operating Temperature:** -40°C to +125°C (including self-temperature rise)
- Inductance Tolerance:**  $\pm 20\%$
- Packaging:** Tape & Reel
- Marking:** Parts are marked with inductance code
- Miscellaneous:** RoHS Compliant
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available. See website for ordering information.**

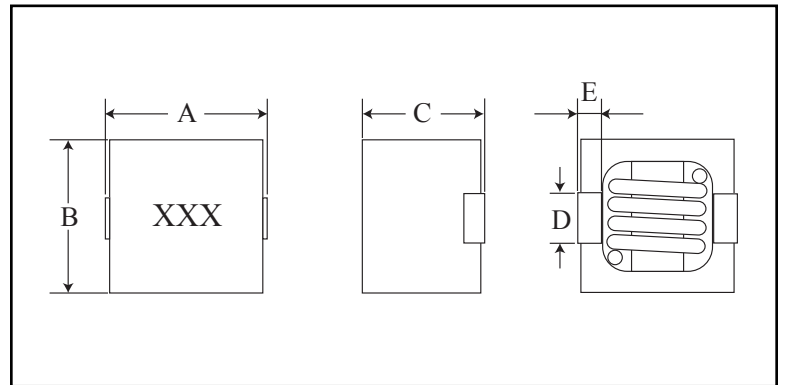
### SPECIFICATIONS

Parts are available in  $\pm 20\%$  inductance tolerance only.  
 \*Isat for inductance drop 20% from its value without current.  
 \*\*Irms for 40°C temperature rise from 25°C ambient with current.

Part Number	Inductance ( $\mu$ H)	Test Freq. (kHz)	DCR Max. (m $\Omega$ )	*Isat Max. (A)	**Irms Max. (A)	Marking
02-553F-R30M	0.30	100	2.7	27	16	R30
02-553F-R47M	0.47	100	3.1	25	15	R47
02-553F-R56M	0.56	100	3.1	20	15	R56
02-553F-R68M	0.68	100	3.1	17	15	R68
02-553F-1R0M	1.0	100	4.3	15	13	1R0
02-553F-1R5M	1.5	100	6.2	11	10	1R5
02-553F-2R2M	2.2	100	6.2	8	10	2R2
02-553F-3R3M	3.3	100	9.0	5	8	3R3

### PHYSICAL DIMENSIONS

Size	A	B	C	D	E
	Max.	Max.	Max.		
mm	8.8	8.4	7.5	2.3 $\pm 0.2$	1.5 $\pm 0.2$
inches	0.346	0.331	0.295	0.091 $\pm 0.008$	0.059 $\pm 0.008$



### PAD LAYOUT

