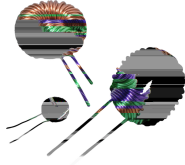
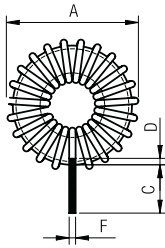


# TFS Series SMD Power Inductor



Dimensions: [mm]



Electrical Properties: ( $I \leq 1A$ )

Part Number	A	B	C	F	Inductance	DC Resistance	Number of Turns	Current	Inductance Tolerance
TFS100515-120MT	10.0	5.0	15.0	1.0	4.0	0.5	12	1.0	0.030
TFS120615-240MT	12.0	5.5	15.0	1.0	4.5	0.5	24	1.0	0.045
TFS100615-320MT	10.0	5.5	15.0	1.0	4.0	0.5	32	1.0	0.045
TFS130615-360MT	13.0	6.0	15.0	1.0	5.0	0.3	36	0.4	0.400
TFS100515-370MT	9.5	4.5	15.0	1.0	4.0	0.3	37	0.4	0.120
TFS130715-430MT	13.0	6.5	15.0	1.0	4.5	0.5	43	1.0	0.060
TFS120515-560MT	11.5	5.0	15.0	1.0	4.0	0.3	56	0.4	0.180
TFS150815-680MT	15.0	7.5	15.0	1.0	6.5	0.5	68	1.0	0.080
TFS120615-680MT	12.0	5.5	15.0	1.0	4.5	0.4	68	0.8	0.100
TFS130615-1111MT	13.0	5.5	15.0	1.0	5.0	0.3	110	0.4	0.230
TFS140815-1411MT	13.5	8.0	15.0	1.0	6.0	0.5	140	1.0	0.110
TFS100615-1411MT	9.5	6.0	15.0	1.0	4.0	0.3	140	0.4	0.260
TFS160820-1511MT	16.0	8.0	20.0	1.0	7.0	0.5	150	1.0	0.130
TFS181025-2211MT	17.5	9.5	25.0	1.0	8.5	0.5	220	1.0	0.150

								R	DC
TFS160915-221MT	15.8	8.5	15.0	1.0	7.0	0.5	220	1.0	0.160
TFS140815-221MT	14.0	7.5	15.0	1.0	6.0	0.4	220	0.8	0.220
TFS120615-241MT	11.5	5.5	15.0	1.0	4.5	0.3	240	0.4	0.380
TFS140615-361MT	13.5	6.0	15.0	1.0	5.0	0.3	360	0.4	0.450
TFS191015-471MT	18.5	9.5	15.0	1.0	9.0	0.5	470	1.0	0.225

### Electrical Properties: ( $I < 3A$ )

								R	DC
TFS120615-8R2MT	12.0	5.5	15.0	1.0	4.5	0.6	8.2	20	0.020
TFS180908-100MT	17.5	8.5	7.5	1.0	6.5	1.0	10	25	0.010
TFS110615-100MT	10.5	6.0	15.0	1.0	5.0	0.6	10	20	0.020
TFS140615-150MT	13.5	6.0	15.0	1.0	6.0	0.6	15	20	0.025
TFS190908-200MT	18.5	9.0	7.5	1.0	6.5	1.0	20	26	0.015
TFS120615-220MT	12.0	6.0	15.0	1.0	5.0	0.6	22	20	0.030
TFS150715-300MT	15.0	7.0	15.0	1.0	6.0	0.6	30	20	0.040
TFS180815-580MT	17.5	8.0	15.0	1.0	7.5	0.6	58	20	0.055
TFS140815-680MT	14.0	8.0	15.0	1.0	6.0	0.6	68	20	0.055
TFS170915-101MT	16.5	9.0	15.0	1.0	7.0	0.6	100	20	0.080
TFS180915-111MT	18.0	9.0	15.0	1.0	8.0	0.6	110	20	0.070
TFS190915-131MT	18.5	9.0	15.0	1.0	8.0	0.6	130	20	0.085
TFS181320-131MT	17.5	13.0	20.0	1.0	14.0	0.6	130	20	0.090
TFS170915-151MT	16.5	8.5	15.0	1.0	8.5	0.6	150	20	0.100
TFS211125-301MT	21.0	11.0	25.0	1.0	9.0	0.6	300	20	0.150

### Electrical Properties: ( $I = 3A$ )

								R	DC
TFS160915-200MT	16.0	8.5	15.0	1.0	6.5	0.8	20	3.0	0.020
TFS191015-350MT	18.5	9.5	15.0	1.0	8.0	0.8	35	3.0	0.025
TFS160915-600MT	16.0	9.0	15.0	1.0	7.0	0.8	60	3.0	0.040
TFS191115-900MT	18.5	10.5	15.0	1.0	7.5	0.8	90	3.0	0.040
TFS251325-471MT	25.0	13.0	25.0	1.0	11.0	0.8	470	3.0	0.110
TFS291625-861MT	28.0	16.0	25.0	1.0	14.0	0.8	860	3.0	0.150

## Electrical Properties: ( $I \leq 5A$ )

								R	DC
TFS191115-220MT	19.0	10.5	15.0	1.0	80	1.0	22	5.0	0.015
TFS191115-290MT	18.5	10.5	15.0	1.0	80	1.0	29	5.0	0.015
TFS251215-101MT	25.0	11.5	15.0	1.0	80	1.0	100	5.0	0.035
TFS261315-151MT	26.0	13.0	15.0	1.0	100	1.0	150	5.0	0.042
TFS281315-151MT	27.5	13.0	15.0	1.0	11.5	1.0	150	5.0	0.045
TFS261212-331MT	26.0	12.0	12.0	1.0	10.0	0.8	330	3.5	0.085
TFS381715-701MT	38.0	17.0	15.0	1.0	15.0	1.0	700	5.0	0.120