

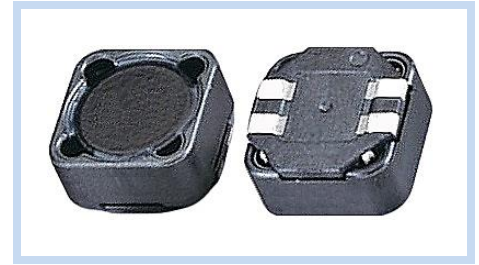
# Power Inductor Dual-Winding Shielded

PID-52 Series

**MERITEK**

## FEATURE

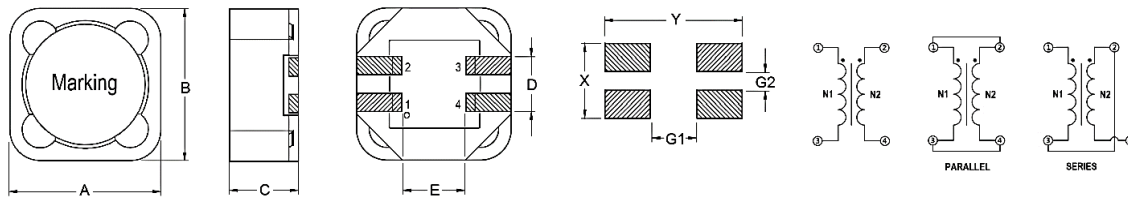
- Multiple Applications: Parallel, Series, Dual-Inductor and Transformer
- Magnetically Shielded Construction Against Radiation
- 200Vrms Winding to Winding Isolation
- Ideal used in DC/DC Converters



## ELECTRICAL CHARACTERISTICS

Series	Nominal Inductance (μH)	DCR (Ω)	Isat (A)	Irms (A)
PID-07452	2.5 ~ 1000	0.036 ~ 10.8	6.3 ~ 0.31	2.17 ~ 0.14
PID-12552	4.7 ~ 1000	0.036 ~ 3.06	10.3 ~ 0.69	3.16 ~ 0.34
PID-12752	4.7 ~ 1000	0.038 ~ 2.83	14.9 ~ 1.10	3.16 ~ 0.37

## DIMENSIONS



Unit: mm

Size Code	A±0.3	B±0.3	C Max	D	E	X	Y	G1	G2
074	7.3	7.3	4.8	2.5	4.0	3.0	7.5	3.3	0.8
125	12.0	12.0	6.5	5.0	7.3	5.5	12.5	4.5	1.5
127	12.0	12.0	8.5	5.0	7.3	5.5	12.5	4.5	1.5

## PART NUMBERING SYSTEM

PID    120M    125    52  
(1)        (2)        (3)        (4)

No.	Item	Code	Description
(1)	Product Code	PID	Power Inductor Series, Dual Winding Type
(2)	Inductance	120M	12μH ±20%(M)      First two digits: Significant, Third: Multiplier
(3)	Size Code	125	12.0x12.0x6.5mm      See Dimension Table
(4)	Series Code	52	Power Inductor Dual Winding Type, Internal control or project reference

# Power Inductor Dual-Winding Shielded

PID-52 Series

**MERITEK**

## ELECTRICAL CHARACTERISTICS – PID-07452 (EACH WINDING)

Part Number	Nominal Inductance ±20% ( $\mu$ H)	Test Frequency (Hz)	Max DCR ( $\Omega$ )	Typ. Isat (A)			Typ. Irms (A)	
				10%	20%	30%	both windings	one winding
PID2R5M07452	2.5	0.1V/100K	0.036	6.00	6.20	6.30	2.17	3.06
PID3R3M07452	3.3	0.1V/100K	0.044	5.20	5.30	5.40	2.05	2.89
PID4R7M07452	4.7	0.1V/100K	0.051	4.10	4.30	4.60	1.74	2.46
PID5R6M07452	5.6	0.1V/100K	0.063	3.90	4.10	4.20	1.57	2.22
PID6R8M07452	6.8	0.1V/100K	0.070	3.70	3.80	3.90	1.49	2.10
PID8R2M07452	8.2	0.1V/100K	0.086	3.30	3.40	3.50	1.44	2.03
PID100M07452	10	0.1V/100K	0.100	2.80	2.90	3.00	1.24	1.76
PID120M07452	12	0.1V/100K	0.120	2.50	2.60	2.70	1.14	1.61
PID150M07452	15	0.1V/100K	0.140	2.20	2.30	2.40	1.09	1.54
PID180M07452	18	0.1V/100K	0.170	2.00	2.20	2.30	0.95	1.35
PID220M07452	22	0.1V/100K	0.220	1.90	2.00	2.10	0.84	1.19
PID270M07452	27	0.1V/100K	0.250	1.70	1.80	1.90	0.79	1.11
PID330M07452	33	0.1V/100K	0.30	1.50	1.60	1.70	0.76	1.07
PID390M07452	39	0.1V/100K	0.38	1.30	1.40	1.50	0.64	0.90
PID470M07452	47	0.1V/100K	0.42	1.20	1.30	1.40	0.61	0.86
PID560M07452	56	0.1V/100K	0.54	1.10	1.20	1.30	0.58	0.82
PID680M07452	68	0.1V/100K	0.64	1.00	1.10	1.20	0.51	0.72
PID820M07452	82	0.1V/100K	0.72	0.90	1.00	1.10	0.48	0.67
PID101M07452	100	0.1V/100K	0.90	0.80	0.92	0.98	0.45	0.63
PID121M07452	120	0.1V/100K	1.12	0.70	0.80	0.90	0.39	0.55
PID151M07452	150	0.1V/100K	1.35	0.65	0.76	0.80	0.34	0.48
PID181M07452	180	0.1V/100K	1.66	0.62	0.66	0.73	0.32	0.45
PID221M07452	220	0.1V/100K	2.20	0.59	0.62	0.66	0.30	0.42
PID271M07452	270	0.1V/100K	2.60	0.55	0.57	0.60	0.25	0.36
PID331M07452	330	0.1V/100K	3.20	0.49	0.52	0.54	0.24	0.34
PID391M07452	390	0.1V/100K	4.20	0.45	0.47	0.50	0.23	0.32
PID471M07452	470	0.1V/100K	4.70	0.41	0.43	0.46	0.20	0.28
PID561M07452	560	0.1V/100K	5.30	0.38	0.40	0.42	0.19	0.26
PID681M07452	680	0.1V/100K	7.00	0.36	0.37	0.38	0.18	0.25
PID821M07452	820	0.1V/100K	7.80	0.30	0.32	0.35	0.15	0.21
PID102M07452	1000	0.1V/100K	10.8	0.27	0.29	0.31	0.14	0.20

Notes:

1. Operating Temperature: -40~+125°C.
2. Inductance and DCR are shown for individual winding.
3. Isat, when applied to one winding or the sum of current flowing in both windings, the inductance drops the specified amount from its initial value without current.
4. Irms (both windings), when applied to each winding simultaneously, which cause a 40°C temperature rise from 25°C ambient.
5. Irms (one winding), when applied to one winding, which cause a 40°C temperature rise from 25°C ambient.
6. Inductance 2.5 $\mu$ H~100 $\mu$ H tolerance can be done  $\pm$ 20% (M). Inductance 120 $\mu$ H~1000 $\mu$ H tolerance can be done  $\pm$ 10% (K).
7. Electrical specifications at 25°C.

# Power Inductor Dual-Winding Shielded

PID-52 Series

**MERITEK**

## ELECTRICAL CHARACTERISTICS – PID-07452 (PARALLEL/ SERIES WINDING)

Part Number	Parallel Rating				Series Rating			
	Nominal Inductance ±20% ( $\mu$ H)	Max DCR ( $\Omega$ )	Typ. Isat (A)	Typ. Irms (A)	Nominal Inductance ±25% ( $\mu$ H)	Max DCR ( $\Omega$ )	Typ. Isat (A)	Typ. Irms (A)
PID2R5M07452	2.5	0.018	6.30	4.33	10.0	0.072	3.15	2.17
PID3R3M07452	3.3	0.022	5.40	4.09	13.2	0.088	2.70	2.05
PID4R7M07452	4.7	0.026	4.60	3.48	18.8	0.102	2.30	1.74
PID5R6M07452	5.6	0.032	4.20	3.14	22.4	0.126	2.10	1.57
PID6R8M07452	6.8	0.035	3.90	2.97	27.2	0.140	1.95	1.49
PID8R2M07452	8.2	0.043	3.50	2.87	32.8	0.172	1.75	1.44
PID100M07452	10	0.050	3.00	2.49	40.0	0.20	1.50	1.24
PID120M07452	12	0.060	2.70	2.28	48.0	0.24	1.35	1.14
PID150M07452	15	0.070	2.40	2.18	60.0	0.28	1.20	1.09
PID180M07452	18	0.085	2.30	1.91	72.0	0.34	1.15	0.95
PID220M07452	22	0.110	2.10	1.68	88.0	0.44	1.05	0.84
PID270M07452	27	0.125	1.90	1.57	108	0.50	0.95	0.79
PID330M07452	33	0.150	1.70	1.51	132	0.60	0.85	0.76
PID390M07452	39	0.190	1.50	1.27	156	0.76	0.75	0.64
PID470M07452	47	0.21	1.40	1.22	188	0.84	0.70	0.61
PID560M07452	56	0.27	1.30	1.16	224	1.08	0.65	0.58
PID680M07452	68	0.32	1.20	1.02	272	1.28	0.60	0.51
PID820M07452	82	0.36	1.10	0.95	328	1.44	0.55	0.48
PID101M07452	100	0.45	0.98	0.89	400	1.80	0.49	0.45
PID121M07452	120	0.56	0.90	0.78	480	2.24	0.45	0.39
PID151M07452	150	0.675	0.80	0.68	600	2.70	0.40	0.34
PID181M07452	180	0.83	0.73	0.64	720	3.32	0.36	0.32
PID221M07452	220	1.10	0.66	0.59	880	4.40	0.33	0.30
PID271M07452	270	1.30	0.60	0.51	1080	5.20	0.30	0.25
PID331M07452	330	1.60	0.54	0.48	1320	6.40	0.27	0.24
PID391M07452	390	2.10	0.50	0.45	1560	8.40	0.25	0.23
PID471M07452	470	2.35	0.46	0.40	1880	9.40	0.23	0.20
PID561M07452	560	2.65	0.42	0.37	2240	10.6	0.21	0.19
PID681M07452	680	3.50	0.38	0.35	2720	14.0	0.19	0.18
PID821M07452	820	3.90	0.35	0.30	3280	15.6	0.175	0.15
PID102M07452	1000	5.40	0.31	0.28	4000	21.6	0.155	0.14

Notes:

- Operating Temperature: -40~+125°C.
- Inductance and DCR are shown for individual winding.
- Isat, when applied to one winding or the sum of current flowing in both windings, the inductance drops the specified amount from its initial value without current.
- Irms (both windings), when applied to each winding simultaneously, which cause a 40°C temperature rise from 25°C ambient.
- Irms (one winding), when applied to one winding, which cause a 40°C temperature rise from 25°C ambient.
- Inductance 2.5 $\mu$ H~100 $\mu$ H tolerance can be done  $\pm$ 20% (M). Inductance 120 $\mu$ H~1000 $\mu$ H tolerance can be done  $\pm$ 10% (K).
- Electrical specifications at 25°C.

# Power Inductor Dual-Winding Shielded

PID-52 Series

**MERITEK**

## ELECTRICAL CHARACTERISTICS – PID-12552 (EACH WINDING)

Part Number	Nominal Inductance ±20% (μH)	Test Frequency (Hz)	Max DCR (Ω)	Typ. Isat (A)	Typ. Irms (A)	
					both windings	one winding
PID4R7M12552	4.7	0.1V/100K	0.036	10.30	3.16	4.47
PID5R6M12552	5.6	0.1V/100K	0.040	9.66	3.00	4.24
PID6R8M12552	6.8	0.1V/100K	0.048	9.21	2.75	3.88
PID8R2M12552	8.2	0.1V/100K	0.052	8.55	2.63	3.72
PID100M12552	10	0.1V/100K	0.060	7.40	2.45	3.46
PID120M12552	12	0.1V/100K	0.074	6.86	2.21	3.12
PID150M12552	15	0.1V/100K	0.085	6.09	2.06	2.92
PID180M12552	18	0.1V/100K	0.097	5.30	1.93	2.73
PID220M12552	22	0.1V/100K	0.116	5.01	1.76	2.49
PID270M12552	27	0.1V/100K	0.124	4.66	1.70	2.41
PID330M12552	33	0.1V/100K	0.134	4.22	1.64	2.32
PID390M12552	39	0.1V/100K	0.142	3.80	1.59	2.25
PID470M12552	47	0.1V/100K	0.174	3.25	1.44	2.03
PID560M12552	56	0.1V/100K	0.198	3.07	1.35	1.91
PID680M12552	68	0.1V/100K	0.216	2.83	1.29	1.83
PID820M12552	82	0.1V/100K	0.274	2.55	1.15	1.62
PID101M12552	100	0.1V/100K	0.322	2.20	1.06	1.50
PID121M12552	120	0.1V/100K	0.418	2.05	0.93	1.31
PID151M12552	150	0.1V/100K	0.476	1.82	0.87	1.23
PID181M12552	180	0.1V/100K	0.536	1.60	0.82	1.16
PID221M12552	220	0.1V/100K	0.691	1.51	0.72	1.02
PID271M12552	270	0.1V/100K	0.806	1.41	0.67	0.95
PID331M12552	330	0.1V/100K	1.09	1.28	0.57	0.81
PID391M12552	390	0.1V/100K	1.20	1.16	0.55	0.77
PID471M12552	470	0.1V/100K	1.59	1.00	0.48	0.67
PID561M12552	560	0.1V/100K	1.81	0.95	0.45	0.63
PID681M12552	680	0.1V/100K	2.06	0.88	0.42	0.59
PID821M12552	820	0.1V/100K	2.65	0.79	0.37	0.52
PID102M12552	1000	0.1V/100K	3.06	0.69	0.34	0.49

Notes:

1. Operating Temperature: -40~+125°C.
2. Inductance and DCR are shown for individual winding.
3. Isat, when applied to one winding or the sum of current flowing in both windings, the inductance drops the specified amount from its initial value without current.
4. Irms (both windings), when applied to each winding simultaneously, which cause a 40°C temperature rise from 25°C ambient.
5. Irms (one winding), when applied to one winding, which cause a 40°C temperature rise from 25°C ambient.
6. Inductance 2.5μH~100μH tolerance can be done ±20% (M). Inductance 120μH~1000μH tolerance can be done ±10% (K).
7. Electrical specifications at 25°C.

# Power Inductor Dual-Winding Shielded

PID-52 Series

**MERITEK**

## ELECTRICAL CHARACTERISTICS – PID-12552 (PARALLEL/ SERIES WINDING)

Part Number	Parallel Rating				Series Rating			
	Nominal Inductance ±20% ( $\mu$ H)	Max DCR ( $\Omega$ )	Typ. Isat (A)	Typ. Irms (A)	Nominal Inductance ±25% ( $\mu$ H)	Max DCR ( $\Omega$ )	Typ. Isat (A)	Typ. Irms (A)
PID4R7M12552	4.7	0.018	10.30	7.2	18.8	0.072	5.15	3.4
PID5R6M12552	5.6	0.020	9.66	7.0	22.4	0.080	4.83	3.3
PID6R8M12552	6.8	0.024	9.21	6.6	27.2	0.095	4.61	3.2
PID8R2M12552	8.2	0.026	8.55	6.4	32.8	0.104	4.28	3.1
PID100M12552	10	0.030	7.40	5.4	40.0	0.120	3.70	2.8
PID120M12552	12	0.037	6.86	5.2	48.0	0.147	3.43	2.7
PID150M12552	15	0.042	6.09	4.6	60.0	0.170	3.05	2.5
PID180M12552	18	0.048	5.30	4.4	72.0	0.194	2.65	2.2
PID220M12552	22	0.058	5.01	4.2	88.0	0.232	2.51	2.1
PID270M12552	27	0.062	4.66	3.7	108	0.248	2.33	1.9
PID330M12552	33	0.067	4.22	3.6	132	0.268	2.11	1.6
PID390M12552	39	0.071	3.80	3.2	156	0.284	1.90	1.5
PID470M12552	47	0.087	3.25	2.9	188	0.348	1.63	1.4
PID560M12552	56	0.099	3.07	2.7	224	0.396	1.54	1.3
PID680M12552	68	0.108	2.83	2.5	272	0.432	1.42	1.2
PID820M12552	82	0.137	2.55	2.3	328	0.548	1.28	1.1
PID101M12552	100	0.161	2.20	1.9	400	0.642	1.10	1.0
PID121M12552	120	0.209	2.05	1.8	480	0.834	1.03	0.8
PID151M12552	150	0.238	1.82	1.7	600	0.952	0.91	0.78
PID181M12552	180	0.268	1.60	1.6	720	1.072	0.80	0.75
PID221M12552	220	0.346	1.51	1.5	880	1.382	0.76	0.71
PID271M12552	270	0.403	1.41	1.4	1080	1.61	0.71	0.65
PID331M12552	330	0.545	1.28	1.2	1320	2.18	0.64	0.56
PID391M12552	390	0.600	1.16	1.0	1560	2.40	0.58	0.50
PID471M12552	470	0.795	1.00	0.86	1880	3.18	0.50	0.41
PID561M12552	560	0.905	0.95	0.80	2240	3.62	0.48	0.38
PID681M12552	680	1.030	0.88	0.74	2720	4.12	0.44	0.35
PID821M12552	820	1.325	0.79	0.67	3280	5.30	0.40	0.32
PID102M12552	1000	1.530	0.69	0.50	4000	6.12	0.35	0.29

Notes:

1. Operating Temperature: -40~+125°C.
2. Inductance and DCR are shown for individual winding.
3. Isat, when applied to one winding or the sum of current flowing in both windings, the inductance drops the specified amount from its initial value without current.
4. Irms (both windings), when applied to each winding simultaneously, which cause a 40°C temperature rise from 25°C ambient.
5. Irms (one winding), when applied to one winding, which cause a 40°C temperature rise from 25°C ambient.
6. Inductance 2.5 $\mu$ H~100 $\mu$ H tolerance can be done  $\pm$ 20% (M). Inductance 120 $\mu$ H~1000 $\mu$ H tolerance can be done  $\pm$ 10% (K).
7. Electrical specifications at 25°C.

# Power Inductor Dual-Winding Shielded

PID-52 Series

**MERITEK**

## ELECTRICAL CHARACTERISTICS – PID-12752 (EACH WINDING)

Part Number	Nominal Inductance ±20% (μH)	Test Frequency (Hz)	Max DCR (Ω)	Typ. Isat (A)	Typ. Irms (A)	
					both windings	one winding
PID4R7M12752	4.7	0.1V/100K	0.038	14.9	3.16	4.47
PID5R6M12752	5.6	0.1V/100K	0.046	13.4	2.87	4.06
PID6R8M12752	6.8	0.1V/100K	0.048	13.1	2.81	3.98
PID8R2M12752	8.2	0.1V/100K	0.050	10.8	2.76	3.90
PID100M12752	10	0.1V/100K	0.058	10.5	2.56	3.62
PID120M12752	12	0.1V/100K	0.062	9.6	2.48	3.50
PID150M12752	15	0.1V/100K	0.072	9.1	2.30	3.25
PID180M12752	18	0.1V/100K	0.080	8.0	2.18	3.08
PID220M12752	22	0.1V/100K	0.096	6.8	1.99	2.81
PID270M12752	27	0.1V/100K	0.12	6.5	1.78	2.52
PID330M12752	33	0.1V/100K	0.15	5.6	1.59	2.25
PID390M12752	39	0.1V/100K	0.16	5.5	1.54	2.18
PID470M12752	47	0.1V/100K	0.18	5.2	1.45	2.05
PID560M12752	56	0.1V/100K	0.19	4.5	1.41	2.00
PID680M12752	68	0.1V/100K	0.21	4.1	1.35	1.90
PID820M12752	82	0.1V/100K	0.28	3.8	1.16	1.65
PID101M12752	100	0.1V/100K	0.30	3.4	1.13	1.59
PID121M12752	120	0.1V/100K	0.41	3.2	0.96	1.36
PID151M12752	150	0.1V/100K	0.46	2.8	0.91	1.29
PID181M12752	180	0.1V/100K	0.51	2.5	0.86	1.22
PID221M12752	220	0.1V/100K	0.69	2.3	0.74	1.05
PID271M12752	270	0.1V/100K	0.90	2.1	0.65	0.92
PID331M12752	330	0.1V/100K	1.02	1.9	0.61	0.86
PID391M12752	390	0.1V/100K	1.12	1.7	0.58	0.82
PID471M12752	470	0.1V/100K	1.43	1.6	0.50	0.70
PID561M12752	560	0.1V/100K	1.69	1.5	0.47	0.67
PID681M12752	680	0.1V/100K	2.29	1.3	0.41	0.58
PID821M12752	820	0.1V/100K	2.55	1.2	0.39	0.55
PID102M12752	1000	0.1V/100K	2.83	1.1	0.37	0.52

Notes:

1. Operating Temperature: -40~+125°C.
2. Inductance and DCR are shown for individual winding.
3. Isat, when applied to one winding or the sum of current flowing in both windings, the inductance drops the specified amount from its initial value without current.
4. Irms (both windings), when applied to each winding simultaneously, which cause a 40°C temperature rise from 25°C ambient.
5. Irms (one winding), when applied to one winding, which cause a 40°C temperature rise from 25°C ambient.
6. Inductance 2.5μH~100μH tolerance can be done ±20% (M). Inductance 120μH~1000μH tolerance can be done ±10% (K).
7. Electrical specifications at 25°C.

# Power Inductor Dual-Winding Shielded

PID-52 Series

**MERITEK**

## ELECTRICAL CHARACTERISTICS – PID-12752 (PARALLEL/ SERIES WINDING)

Part Number	Parallel Rating					Series Rating				
	Nominal Inductance ±20% (µH)	Max DCR (Ω)	Typ. Isat (A)	Typ. Irms (A)	Typ. SRF (MHz)	Nominal Inductance ±25% (µH)	Max DCR (Ω)	Typ. Isat (A)	Typ. Irms (A)	Typ. SRF (MHz)
PID4R7M12752	4.7	0.019	14.9	7.4	32.0	18.8	0.076	7.70	3.6	12.0
PID5R6M12752	5.6	0.023	13.4	7.2	25.0	22.4	0.092	6.60	3.5	10.4
PID6R8M12752	6.8	0.024	13.1	6.9	24.0	27.2	0.096	6.40	3.4	9.5
PID8R2M12752	8.2	0.025	10.8	6.6	18.0	32.8	0.100	5.60	3.3	7.2
PID100M12752	10	0.029	10.5	6.2	16.5	40.0	0.116	5.40	3.2	6.6
PID120M12752	12	0.031	9.60	6.0	14.5	48.0	0.124	4.80	2.9	5.4
PID150M12752	15	0.036	9.10	5.8	11.8	60.0	0.144	4.30	2.7	5.0
PID180M12752	18	0.040	8.00	5.5	10.5	72.0	0.158	3.90	2.5	3.8
PID220M12752	22	0.048	6.80	5.2	9.0	88.0	0.19	3.50	2.2	3.4
PID270M12752	27	0.060	6.50	4.7	8.4	108	0.24	3.40	2.0	3.2
PID330M12752	33	0.075	5.60	4.2	7.6	132	0.30	3.10	1.7	3.0
PID390M12752	39	0.080	5.50	3.6	6.5	156	0.32	2.80	1.6	2.6
PID470M12752	47	0.090	5.20	3.0	6.0	188	0.36	2.60	1.5	2.1
PID560M12752	56	0.095	4.50	2.8	5.6	224	0.38	2.40	1.4	2.0
PID680M12752	68	0.105	4.10	2.6	5.0	272	0.42	2.10	1.3	1.6
PID820M12752	82	0.140	3.80	2.3	4.1	328	0.56	1.90	1.2	1.3
PID101M12752	100	0.150	3.40	2.0	3.6	400	0.60	1.70	1.1	1.1
PID121M12752	120	0.205	3.20	1.9	3.2	480	0.82	1.60	1.0	1.0
PID151M12752	150	0.230	2.80	1.8	3.0	600	0.92	1.40	0.89	0.82
PID181M12752	180	0.255	2.50	1.7	2.7	720	1.02	1.30	0.84	0.70
PID221M12752	220	0.345	2.30	1.6	2.5	880	1.38	1.10	0.75	0.64
PID271M12752	270	0.450	2.10	1.5	2.1	1080	1.80	1.00	0.71	0.55
PID331M12752	330	0.510	1.90	1.3	2.0	1320	2.04	0.92	0.62	0.47
PID391M12752	390	0.560	1.70	1.1	1.8	1560	2.24	0.84	0.53	0.41
PID471M12752	470	0.765	1.60	0.87	1.6	1880	3.06	0.80	0.43	0.36
PID561M12752	560	0.845	1.50	0.83	1.5	2240	3.38	0.73	0.40	0.31
PID681M12752	680	1.145	1.30	0.76	1.4	2720	4.58	0.63	0.36	0.30
PID821M12752	820	1.275	1.20	0.69	1.3	3280	5.10	0.58	0.33	0.24
PID102M12752	1000	1.415	1.10	0.60	1.1	4000	5.66	0.56	0.30	0.20

Notes:

1. Operating Temperature: -40~+125°C.
2. Inductance and DCR are shown for individual winding.
3. Isat, when applied to one winding or the sum of current flowing in both windings, the inductance drops the specified amount from its initial value without current.
4. Irms (both windings), when applied to each winding simultaneously, which cause a 40°C temperature rise from 25°C ambient.
5. Irms (one winding), when applied to one winding, which cause a 40°C temperature rise from 25°C ambient.
6. Inductance 2.5µH~100µH tolerance can be done ±20% (M). Inductance 120µH~1000µH tolerance can be done ±10% (K).
7. Electrical specifications at 25°C.

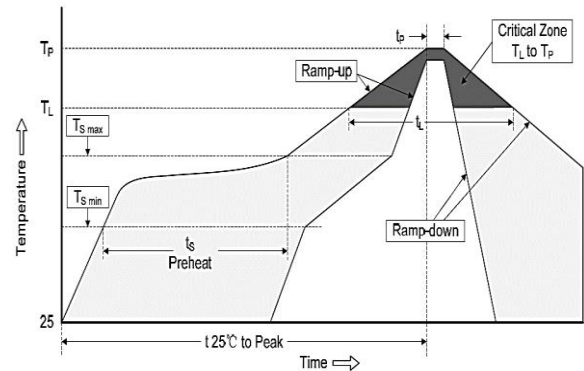
# Power Inductor Dual-Winding Shielded

PID-52 Series

**MERITEK**

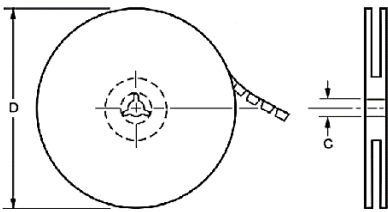
## RECOMMENDED SOLDERING PROFILES

Reflow Condition		
Pre Heat	Temp. Min $T_{s(min)}$	150°C
	Temp. Max $T_{s(max)}$	180°C
	Time (min. to max.) ( $t_s$ )	60 ~ 120 seconds
Reflow	Temp. ( $T_L$ )	230°C
	Time (min. to max.) ( $t_L$ )	40 seconds
Peak Temperature ( $T_P$ )		250°C
Time within 5°C of actual peak Temperature ( $t_p$ )		10 seconds
Reflow Times		2 times max

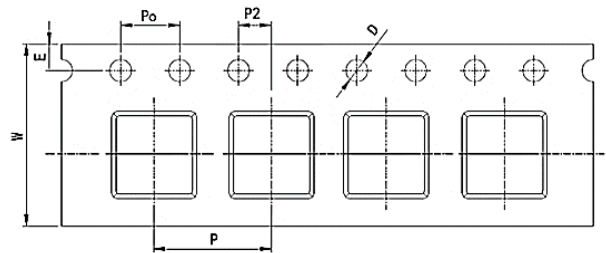


## PACKAGING DIMENSION

Reel Specification



Plastic Tape Specification (mm)



Unit: mm

Size Code	Reel Dimension		Tape Dimensions						Parts Per Reel
	C	D	W	E	P	P0	P2	D	Plastic 13"
074	13.0	330	16.0	1.75	12.0	4.0	2.0	1.5	1000
125	13.0	330	24.0	1.75	16.0	4.0	2.0	1.5	500
127	13.0	330	24.0	1.75	16.0	4.0	2.0	1.5	350

\*Specifications subject to change without notice.