

Contact CoEv for additional inductance values

Specifications subject to change

MGDS5-00006

MGDS5-00007

MGDS5-00008

MGDS5-00009

MGDS5-00010

MGDS5-00011

MGDS5-00012

MGDS5-00013

0.138

0.207

0.293

0.470

0.780

1.080

1.400

2.010

68

100

150

220

330

470

680.0

1000.0

3.00

2.40

2.10

1.90

1.10

1.10

0.96

0.80

2.00

1.70

1.30

1.10

0.86

0.73

0.64

0.53

М

М

М

Μ

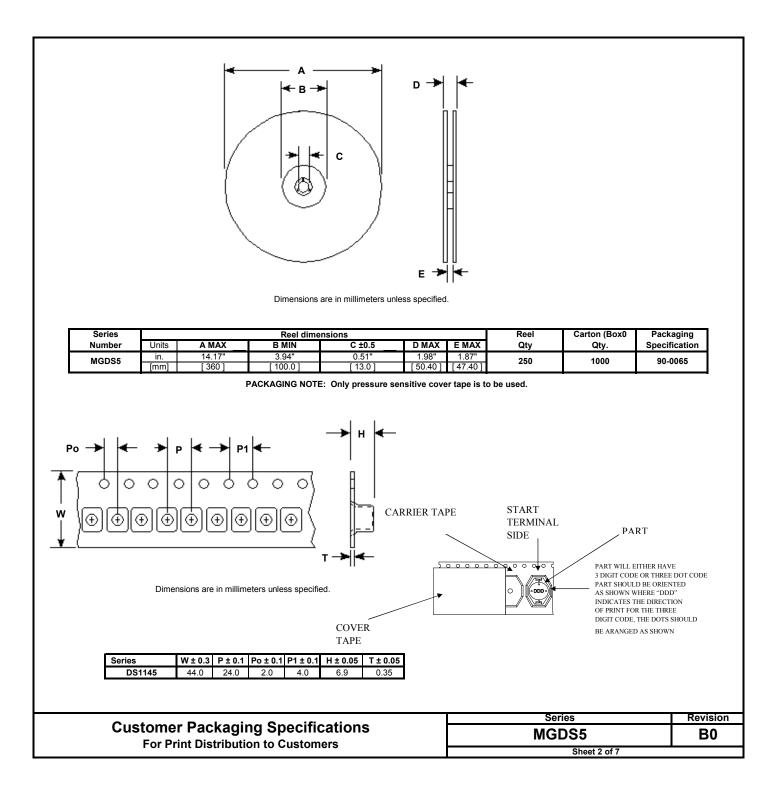
М

М

М

М

Call Toll Free: 888-978-2638 Website: www.tycopowercomponents.com



specified electrical parameters for L, Q and DCR.100 hours. After exp measurements areStorage LifeAfter exposure part remains within specified electrical parameters for L, Q and DCR.Subject parts to an Subject parts to an specified electrical parameters for L, Q and DCR.Subject parts to an Subject parts to an specified electrical parameters for L, Q and DCR.Subject parts to an subject parts to be subject part to an and pare	lethod/Condition
specified electrical parameters for L, Q and DCR.100 hours. After exp measurements areStorage LifeAfter exposure part remains within specified electrical parameters for L, Q and DCR.Subject parts to an Subject parts to an specified electrical parameters for L, Q and DCR.Subject parts to an Subject parts to an specified electrical parameters for L, Q and DCR.Subject parts to an subject parts to an the as a shorted or open winding.Moisture ResistanceAfter exposure part remains within specified electrical parameters for L, Q and DCR.Per MIL-STD 202 M reservoid from til Allow parts to dry for 10 cycles (Air to Air 30 minutes exposun 30 min	
specified electrical parameters for L, Q and DCR.       50 hours. After exp measurements are Per MIL-STD 202 M +65°C at 80 to 95% are revolved from th Allow parts to dry fo         Temperature Cycle       After exposure part remains within specified electrical parameters for L, Q and DCR.       10 cycles (Air to Air 30 minutes exposur Allow 20 minutes tro 30 minutes exposur Allow 20 minutes exposur 30	environment of +50°C with 90 to 95% R.H. for exposure, allow parts to dry for 2 hours before e taken.
have a shorted or open winding.+65°C at 80 to 95% are revolved from th Allow parts to dry fcTemperature CycleAfter exposure part remains within specified electrical parameters for L, Q and DCR.10 cycles (Air to Air 30 minutes exposur 30	environment of +50°C 90 to 100% R.H. for 46 t posure, allow parts to dry for 2 hours before e taken.
within specified electrical parameters for L, Q and DCR.30 minutes exposur Allow 20 minutes tra 10 cycles (Air to Air 30 minutes exposur Allow 20 minutes tra 10 cycles (Air to Air 30 minutes exposur 30 minutes exposur 	Method 106, ten 24 hour cycles at +25°C to % R.H. During any of the first 9 cycles, inductors the chamber and exposed to -10°C for 3 hours. or 2 hours before measurements are taken.
within specified electrical parameters for L, Q and DCR.       30 minutes exposur 30 minutes exposur 50 mi	
Range-40°C to +85°COperating-40°C to +85°CFlammabilityIEC 695-2-2OtherInductors shall be raposure part remains within specified electrical parameters for L, Q and DCR.Inductors shall be raposure shall be raposure of the raposure part remains minimum of 15 minimum of	
Range-40°C to +85°COperating-40°C to +85°CFlammabilityIEC 695-2-2OtherInductors shall be raposure part remains within specified electrical parameters for L, Q and DCR.Inductors shall be raposure shall be raposure part remains minimum of 15 miniMechanical ShockAfter exposure part remains within specified electrical parameters for L, Q and DCR.Test per MIL-STD 2 mounted samples 3 (50Gs, 11ms, half-stSolderabilityWetting shall cover 90% minimum of Apply and measure Resistance to SolventDip pads in RMA flu Woithstands 6 minut appearance or marking detail.Load LifeAfter exposure, part shall not have a shorted or open winding.Parts to be stored a applied. Parts to be	
FlammabilityIEC 695-2-2Withstands needle-OtherAfter exposure part remains within specified electrical parameters for L, Q and DCR.Inductors shall be ray profile. Samples sh minimum of 15 miniMechanical ShockAfter exposure part remains within specified electrical parameters for L, Q and DCR.Test per MIL-STD 2 mounted samples 3 (50Gs, 11ms, half-stSolderabilityWetting shall cover 90% minimum of appearance or marking detail.Dip pads in RMA flu Withstands 6 minut Withstands 3 minutLoad LifeAfter exposure, part shall not have a shorted or open winding.Parts to be stored a applied. Parts to be	
OtherVibrationAfter exposure part remains within specified electrical parameters for L, Q and DCR.Inductors shall be ra profile. Samples sh minimum of 15 miniMechanical ShockAfter exposure part remains within specified electrical parameters for L, Q and DCR.Test per MIL-STD 2 mounted samples 3 (50Gs, 11ms, half-s)SolderabilityWetting shall cover 90% minimum of Apply and measure profile.Dip pads in RMA flue Apply and measure Withstands 6 minut Withstands 3 minut Applearance or marking detail.Dip the stored a applied.Load LifeAfter exposure, part shall not have a shorted or open winding.Parts to be stored a applied.	
VibrationAfter exposure part remains within specified electrical parameters for L, Q and DCR.Inductors shall be ra profile. Samples sh minimum of 15 miniMechanical ShockAfter exposure part remains within specified electrical parameters for L, Q and DCR.Test per MIL-STD 2 mounted samples 3 (50Gs, 11ms, half-s)SolderabilityWetting shall cover 90% minimum of Apply and measure Resistance to SolventDip pads in RMA flu Apply and measure Withstands 6 minut appearance or marking detail.Dip pats to be stored a applied. Parts to be applied. Parts to be	-flame test
VibrationAfter exposure part remains within specified electrical parameters for L, Q and DCR.Inductors shall be ra profile. Samples sh minimum of 15 miniMechanical ShockAfter exposure part remains within specified electrical parameters for L, Q and DCR.Test per MIL-STD 2 mounted samples 3 (50Gs, 11ms, half-s)SolderabilityWetting shall cover 90% minimum of Apply and measure Resistance to SolventDip pads in RMA flu Apply and measure Withstands 6 minut appearance or marking detail.Dip pats to be stored a applied. Parts to be applied. Parts to be	
within specified electrical parameters for L, Q and DCR.mounted samples 3 (50Gs, 11ms, half-sSolderabilityWetting shall cover 90% minimum of Component AdhesionDip pads in RMA flue Apply and measureResistance to SolventNo sign of degradation in appearance or marking detail.Withstands 6 minut Withstands 3 minutLoad LifeAfter exposure, part shall not have a shorted or open winding.Parts to be stored a applied. Parts to be	randomly vibrated per NAVMAT P9492 nall be subjected to 0.04G/Hz for a nutes per axis, for each of the three axes.
Component Adhesion4 poundsApply and measureResistance to SolventNo sign of degradation in appearance or marking detail.Withstands 6 minut Withstands 3 minutLoad LifeAfter exposure, part shall not have a shorted or open winding.Parts to be stored a applied. Parts to be	202 method 213 test condition A, test 3 axes, 6 times, totaling 18 shocks. sine).
Resistance to SolventNo sign of degradation in appearance or marking detail.Withstands 6 minut Withstands 3 minutLoad LifeAfter exposure, part shall not have a shorted or open winding.Parts to be stored a applied. Parts to be	lux, 63/37 solder (Sn/Pb) at 232°C for 5 seconds
appearance or marking detail.Withstands 3 minutLoad LifeAfter exposure, part shall not have a shorted or open winding.Parts to be stored a applied. Parts to be	e force with a digital force gauge set.
have a shorted or open winding. applied. Parts to be	ites of alcohol. tes forced spray Freon TMS
	at 110°C for 1000 hours with rated current be tested at: start, 500 and 1000 hours. Allow mperature before testing.
	<b>Po</b> RoHS Compliant
	Series Revision

## For Print Distribution to Customers MGDS5 Sheet 3 of 3

**B0**