

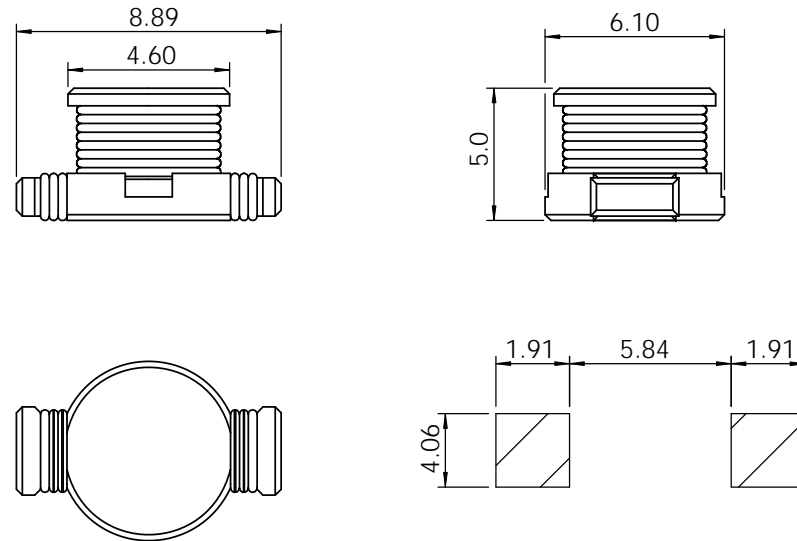
Part	L (μ H)	Tol %	R _{DC} MAX (m Ω)	I _{DC} I _{RMS} (A)	I _{DC} I _{SAT} (A)
DO1813HC-R47	0.47 @100kHz	N	10	6	7.7
DO1813HC-1R0	1.0 @100 kHz	N	18	4.4	5.3
DO1813HC-1R5	1.5 @100 kHz	N	20	4.2	4.5
DO1813HC-2R2	2.2 @100 kHz	M	37	3.1	3.5
DO1813HC-3R3	3.3 @100 kHz	M	43	2.9	3
DO1813HC-4R7	4.7 @100kHz	M	55	2.2	2.6
DO1813HC-6R8	6.8 @100 kHz	M	90	1.7	2.2
DO1813HC-100	10 @100 kHz	M	111	1.5	1.9
DO1813HC-150	15 @100 kHz	M	175	1.2	1.5
DO1813HC-220	22 @100 kHz	M	255	1	1.2
DO1813HC-330	33 @100 kHz	M	367	0.82	0.99
DO1813HC-470	47 @100 kHz	M	474	0.72	0.87
DO1813HC-680	68 @100 kHz	M	750	0.58	0.67
DO1813HC-101	100 @100 kHz	M	1110	0.47	0.53

SPECIFICATION

TYPE	= DO1813HC
CONSTRUCTION	= SURFACE MOUNT POWER INDUCTOR
TERMINAL COATING	= TIN ALLOY OVER COPPER
OPERATING TEMP.	= -40 TO +85 °C
STORAGE TEMP	= -55 TO +125 °C
INSULATION RESISTANCE	= 100M Ω m. 100V TERMINAL-CORE
DIELECTRIC STRENGTH	= 250Vac TERMINAL-CORE
HUMIDITY EFFECTS	= L \pm 5 @ 95%RH, 40 °C, 1HR Q \pm 5 @ 95%RH, 40 °C, 1HR
PACKAGING	= 1000PCS/REEL
MARKING	= 3 CHARACTERS, VALUE

NOTE

TOLERANCE M=20%.



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	DRAWN			
	CHECKED			TITLE:
	ENG APPR.			DO1813HC HIGH CURRENT SMD POWER INDUCTOR
MATERIAL	--	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ONE PLACE DECIMAL +/-0.3 TWO PLACE DECIMAL +/-0.13 ANGLE +/-1 DEGREE		SIZE A DWG. NO. DO1813HC SMD POWER INDUCTOR REV. 00
FINISH	--	DO NOT SCALE DRAWING		SCALE:1:1 SHEET 1 OF 1