



GENERAL COMPONENTS INDUSTRY CORP.

旭誠工業股份有限公司

★ CONFIGURATION & DIMENSIONS :

Fig:A GDH1813)

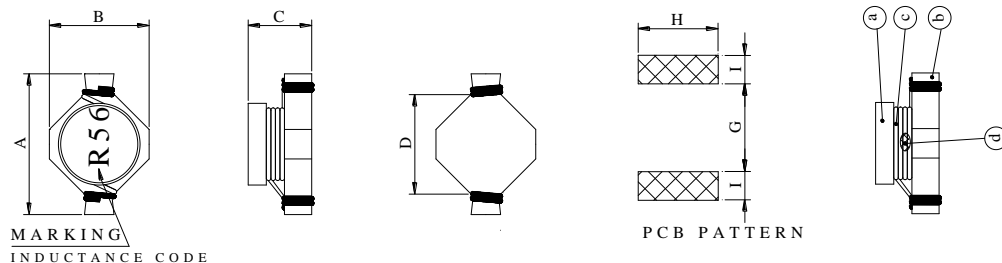
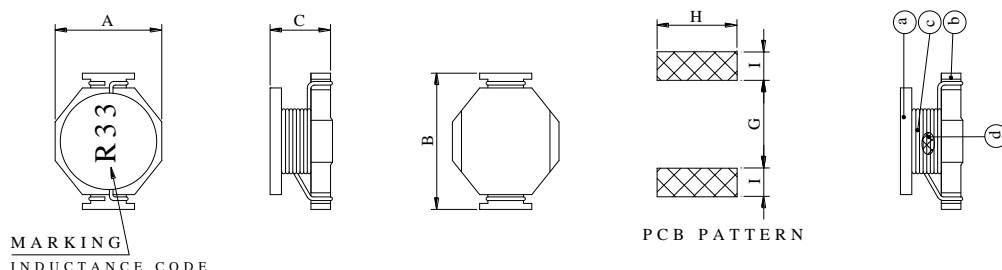


Fig:B (GDH3316,GDH5022)



SERIES	A	B	C	D	E	F	G	H	I	Fig
GDH1813	8.89	6.10	5.00 ^{MAX.}	5.84 ^{TYP.}			5.08 ^{REF.}	4.06 ^{REF.}	1.91 ^{REF.}	A
GDH3316	9.91	13.50	6.35 ^{MAX.}				8.64 ^{REF.}	4.06 ^{REF.}	1.52 ^{REF.}	B
GDH5022	16.26	22.35	8.00 ^{MAX.}				14.35 ^{REF.}	8.64 ^{REF.}	3.18 ^{REF.}	B

UNIT : m/m

★ MATERIALS :

- a · CORE : FERRITE DR CORE
- b · BASE : PHENOLIC
- c · WIRE : ENAMELLED COPPER WIRE
- d · ADHESIVE : EPOXY RESIN

★ GENERAL SPECIFICATION :

- a · TEMP. RISE 40°C TYP. AT I_{rms} (GDH1813,3316, 5022)
- b · RATED CURRENT : .. $\Delta L/L_0A=10\%$ TYP. AT I_{sat} (GDH3316,5022)
 $\Delta L/L_0A=30\%$ TYP. AT I_{sat} (GDH1813)
- c · OPERATING TEMP. : -40°C ----+85°C
- d · RESISTANCE TO SOLDER HEAT : 260°C.10 SECS.
- e · INDUCTANCE MEASURING FREQUENCY : 100KHZ , 0.25V(GDH1813)
100KHZ , 0.1V(GPDH3316,5022)



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GDH SERIES I

ITEM	RDC (mΩ) MAX.			Isat (A)			Irms (A)			SRF (MHZ) TYP.		
	GDH181	GDH331	GDH502	GDH181	GDH331	GDH502	GDH181	GDH331	GDH502	GDH181	GDH331	GDH502
R33		2			20.0			16.0			300	
R56	10			7.70			6.00			200		
R68		5			13.0			12.0			200	
R78			2.6			30			15.0			156
1R0		6			11.0			10.0			100	
1R2	17			5.30			4.40			140		
1R5		8	4.0		9.0	25		9.0	15.0		90	100
2R2	35	11	6.1	3.50	7.8	20	3.10	7.4	12.0	100	90	75
2R7		12			7.0			6.6			65	
3R3		14	8.6		6.4	17		5.9	10.0		65	60
3R9			10.0			15			9.0			55
4R7	54	18	14.0	2.60	5.4	13	2.20	4.8	8.4	50	45	40
5R6		22			5.0			4.6			40	
6R0			17.0			12			7.5			35
6R8		27			4.6			4.4			36	
7R8			18.0			11			7.5			35
8R2		32			4.0			4.0			28	
100	111	38	26.0	1.90	3.8	10	1.50	3.9	6.0	40	25	28
150	170		32.0	1.50		8	1.20		4.4	30		20
220	250			1.20			1.00			25		
330	350			0.99			0.82			20		
470	470			0.87			0.72			15		

INDUCTANCE TOLERANCE: GDH1813 R56~470:M:±20%
 GDH3316 R33~100:M:±20%
 GDH5022 R78~150:M:±20%