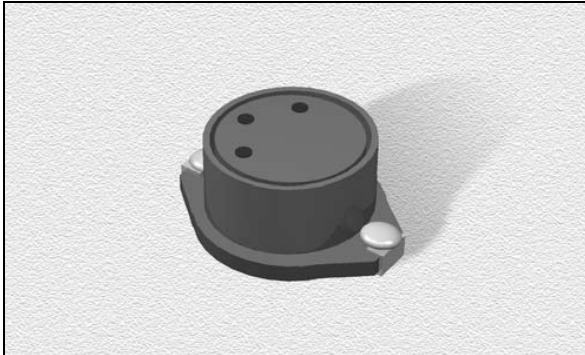


GVDS5022 Series

From 10 μH to 1,000 μH



CHARACTERISTICS

Description: SMD (shielded) power inductor

Applications: Ideal for high performance DC/DC converter applications, computers, LCD displays and telecommunication equipment. Especially those requiring shielding

Operating Temperature: -40°C to $+85^{\circ}\text{C}$ ΔT : 40°C typically at I_{rms}

Inductance Tolerance: $\pm 20\%$

Inductance Drop: 10% typically at I_{sat}

Testing: Inductance and Q are tested on an HP4285A at 100 kHz

Packaging: Tape & Reel

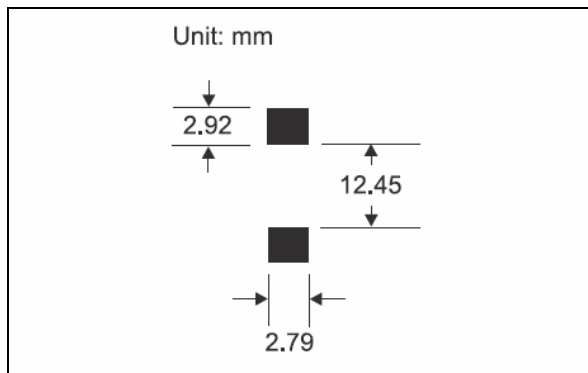
Marking: Color dots OR Inductance code

Miscellaneous: **RoHS Compliant available.** Magnetically shielded

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

PAD LAYOUT



SPECIFICATIONS

Parts are available in $\pm 20\%$ tolerance only.

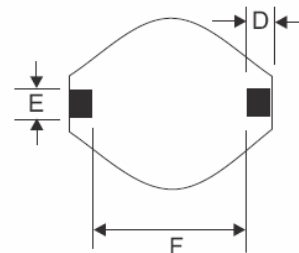
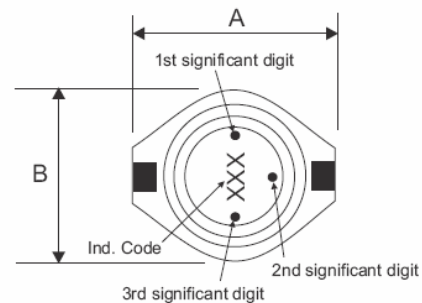
GVDS5022PE Please specify "F" for RoHS compliant

Part Number	Inductance ($\mu\text{H} \pm 20\%$)	L	Q	Q	SRF (MHz)	DCR		
		Test Freq. (kHz)	Fact. Min.	Test Freq. (kHz)		Max. (Ω)	Isat (A)	Irms (A)
GVDS5022P_-103	10	100	40	100	24	.04	8.0	3.9
GVDS5022P_-153	15	100	40	100	16	.05	7.0	3.4
GVDS5022P_-223	22	100	40	100	14	.06	6.0	3.1
GVDS5022P_-333	33	100	40	100	11	.08	5.0	2.8
GVDS5022P_-473	47	100	40	100	8.0	.10	4.0	2.4
GVDS5022P_-683	68	100	40	100	7.0	.14	3.0	2.0
GVDS5022P_-104	100	100	40	100	5.5	.21	2.4	1.7
GVDS5022P_-154	150	100	50	100	4.8	.30	2.1	1.3
GVDS5022P_-224	220	100	50	100	4.0	.47	1.9	1.1
GVDS5022P_-334	330	100	50	100	3.0	.78	1.1	.86
GVDS5022P_-474	470	100	50	100	2.4	1.1	1.1	.73
GVDS5022P_-684	680	100	60	100	2.0	1.4	1.0	.64
GVDS5022P_-105	1000	100	60	100	1.0	2.0	0.8	.53

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F
	Max.	Max.	Max.			
mm	18.54	15.24	7.62	2.54	2.54	12.7
inches	0.73	0.6	0.3	0.1	0.1	0.5

Parts will be marked with Significant Digit Dots OR Inductance Code



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