

IBS Electronics, Inc.

3506 Lake Center Dr. Santa Ana, CA 92704 USA

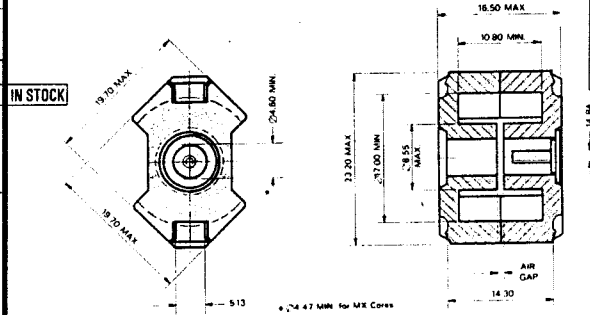
CORES

P/N: MM 808 / 160 / Q3 MANUFACTURER: SEI

STANDARD RANGE OF CORES with air gap

Ferrite Grade	A _L (mH)	Tol on A _L %	Eff Perm μ _r	tan δ @ 1 MHz	Appr Gap mm	Temp Coef 25-55°C ppm/°C	η ₁ (max)	Std Adj Code MM	ORDERING CODE
S1	63	2	33.6	1.39	1.40	0-84	0.30	808-4	MM 808/63/S1
	100	2	53.3	2.21	0.70	0-133	0.59	808-4	MM 808/100/S1
	100	2	53.3	0.32	0.70	27-80	0.36	808-4	MM 808/100/Q3
Q3	160	2	85.3	0.51	0.40	43-128	0.72	808-4	MM 808/160/Q3
	250	2	133	0.80	0.22	67-200	1.42	808-3	MM 808/250/Q3
	315	3	168	1.01	0.18	84-252	1.99	808-3	MM 808/315/Q3
	400	3	213	1.28	0.13	107-320	2.86	808-3	MM 808/400/Q3
L2	630	3	336	2.02	0.08	168-504	5.65	808-5	MM 808/630/Q3
	100	3	46.9	-	0.70	-	0.46	-	MZ 808/100/L2
	160	3	75.1	-	0.40	-	0.94	-	MZ 808/160/L2
	250	3	117	-	0.22	-	1.82	-	MZ 808/250/L2
	315	5	148	-	0.18	-	2.59	-	MZ 808/315/L2
400	5	188	-	0.13	-	3.71	-	MZ 808/400/L2	
630	5	296	-	0.08	-	7.32	-	MZ 808/630/L2	
1600	10	751	-	0.04	-	29.6	-	MZ 808/1600/L2	

CORE DIMENSIONS (mm)



CORE PAIR WEIGHT 10g approx. with hole 12g approx. without hole

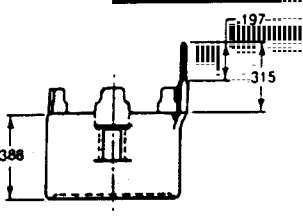
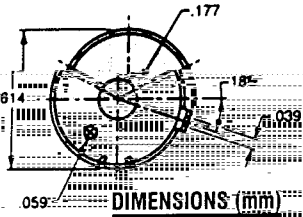
Complying with IEC 431 DIN 41980

†tan δ_r measured at 100kHz for Q3, 1MHz for S1
*η₁ measured at 10kHz (1 to 3 mT)

POT CORE HARDWARE

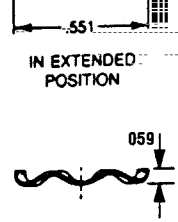
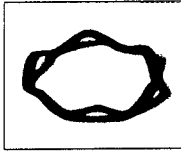
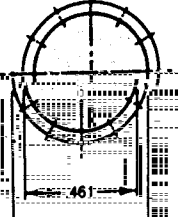
P/N: 991-182-00 CAN MANUFACTURER: PHILLIPS

material: .016" THK Brass, Nickel Plated
with Electroless
Ti Finish



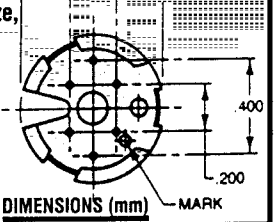
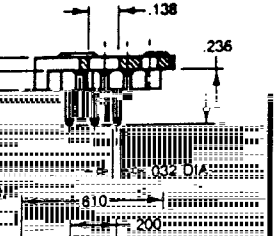
P/N: 991-101-00 SPRING MFG.: PHILLIPS

material: .004" THK Chrome Nickel Steel



P/N: 991-104-00 TERMINAL PLATE MFG: PHILLIPS

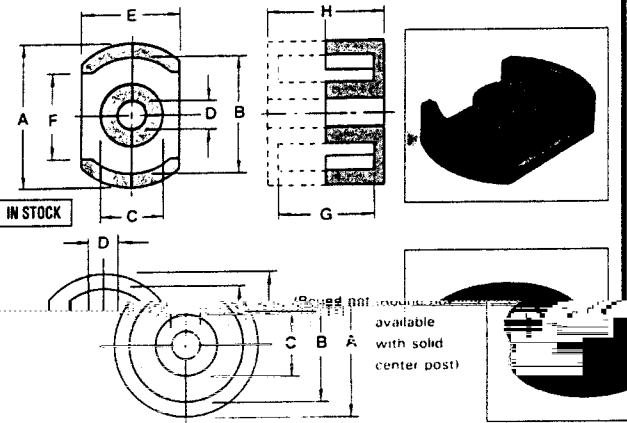
material: Glass Filled Phenolic
Max. Operating Temp: 130°C
Max. Dip Soldering Temp: 280°C for 5-6 sec
Flammability: UL94-V0
Pins are Phosphor Bronze, Dip Soldered.



P/N: OJ-42311-UG MANUFACTURER: MAGNATICS

A_L VALUES FOR UNGAPPED CORES

CORE NO.	A _L (mH/1000T)	CORE NO.	A _L (mH/1000T)
D-42311-UG	4200 ± 25%	P-42311-UG	3210 min.
G-42311-UG	4800 ± 25%	F-42311-UG	5200 ± 25%
K-42311-UG	2080 min.	J-42311-UG	6300 min.
R-42311-UG	2950 min.	W-42311-UG	11,250 min.



Standard core set as shown.

DIMENSIONS (mm)

	inches	mm		inches	mm
A	.900 ± .018	22.9 ± .46	E	.600 ± .010	15.2 ± .25
B	.706 min.	17.94 min.	F	.520 min.	13.2 min.
C	.390 max.	9.9 max.	G	.286 min.	7.26 min.
D	.200 ± .004	5.08 ± .10	H	.436 ± .010	11.08 ± .25

TOLL FREE: 800-527-2888

SEE US ON THE INTERNET
Http://www.ibs-elec.com

ISO9002 CERTIFIED

INTERNATIONAL TOLL FREE NUMBER AVAILABLE FOR O.E.M. UPON REQUEST

