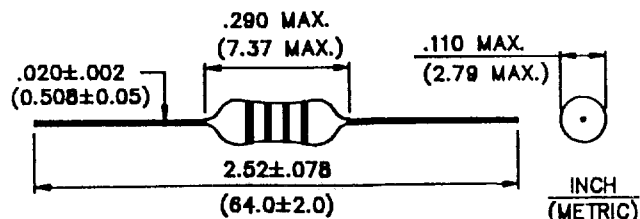


# 1205RF COATED CHOKES



Part No.	Ind. (μh)	Q Min	Test Freq (MHz)	SRF Min. (MHz)	DCR Max. (ohms)	Rated Current Max.(mA)
1205R10M	.10	35	25.0	380	.075	1150
1205R12M	.12	35	25.0	380	.075	1150
1205R15M	.15	35	25.0	380	.075	1150
1205R18M	.18	35	25.0	380	.075	1150
1205R22M	.22	35	25.0	380	.075	1150
1205R27M	.27	35	25.0	380	.08	1110
1205R33M	.33	35	25.0	350	.08	1110
1205R39M	.39	35	25.0	320	.09	1000
1205R47M	.47	40	25.0	300	.10	1000
1205R56M	.56	40	25.0	280	.11	950
1205R68M	.68	40	25.0	250	.12	900
1205R82K	.82	40	25.0	200	.12	900
12051R0K	1.0	50	25.0	180	.15	815
12051R2K	1.2	50	7.9	165	.18	740
12051R5K	1.5	50	7.9	150	.20	700
12051R8K	1.8	50	7.9	125	.23	655
12052R2K	2.2	50	7.9	110	.25	630
12052R7K	2.7	50	7.9	95	.28	595
12053R3K	3.3	50	7.9	70	.30	575
12053R9K	3.9	50	7.9	65	.32	555
12054R7K	4.7	50	7.9	50	.35	530
12055R6K	5.6	50	7.9	40	.40	500
12056R8K	6.8	50	7.9	30	.45	470
12058R2K	8.2	50	7.9	28	.55	425
1205100K	10.0	50	7.9	22	.72	370
1205120K	12.0	50	2.5	20	.80	350
1205150K	15.0	50	2.5	18	.88	335
1205180K	18.0	50	2.5	15	1.00	315
1205220K	22.0	50	2.5	13	1.20	285
1205270K	27.0	50	2.5	11	1.35	270
1205330K	33.0	50	2.5	10	1.50	255
1205390K	39.0	50	2.5	9.5	1.70	240
1205470K	47.0	50	2.5	8.5	2.3	205
1205580K	58.0	50	2.5	7.5	2.80	185
1205880K	88.0	50	2.5	6.5	2.90	185
1205820K	82.0	50	2.5	6	3.20	175
1205101K	100.0	50	2.5	5.5	3.5	165
1205121K	120.0	50	.79	5.4	3.80	160
1205151K	150.0	50	.79	4.75	4.40	150
1205181K	180.0	50	.79	4.35	5.00	140
1205221K	220.0	50	.79	4	5.70	130
1205271K	270.0	50	.79	3.7	6.50	120
1205331K	330.0	50	.79	3.4	9.50	100
1205391K	390.0	50	.79	2.8	10.50	95
1205471K	470.0	50	.79	2.55	11.80	90
1205561K	560.0	50	.79	2.35	13.00	85
1205681K	680.0	50	.79	2	18.00	75
1205821K	820.0	50	.79	1.5	23.0	65
1205102K	1000.0	50	.79	1.2	28.00	60

## FEATURES

- LOW COST
- HIGH Q AND SRF, LOW DCR
- PERMANENT COLOR BAND
- HIGH RELIABILITY
- WIDE INDUCTANCE RANGE  
0.10μH TO 1000μH

## OPERATING TEMPERATURE:

-20°C TO +80°C

## CURRENT RATING:

BASE ON TEMPERATURE RISE NOT  
TO EXCEED 20°C

## TERMINAL STRENGTH: 3 lbs

## MARKING

COLOR CODE IN ACCORDANCE  
WITH EIA

STANDARD TOL.	J FOR 5%
	K FOR 10%
	M FOR 20%

## MOISTURE & HEAT RESIST.

Δ L/L	≤ ±5%
Δ Q/Q	≤ ±10%

## DIELECTRIC STRENGTH: 1KV r.m.s.

## TEST EQUIPMENT:

L&Q - HP4342A AT SPECIFIED FREQ.  
DCR - MILLIOHM METER  
SRF - HP4191A

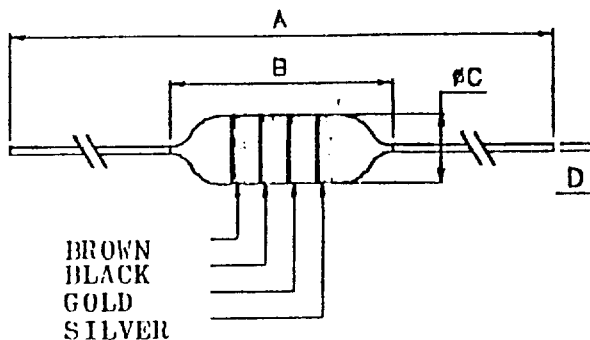
A  
GPI-5005T  
I110A

- ☐ LCZ METER HP
- ☐ 104 LCR METE
- ☐ 310 TURNS RA

CUSTOMER RUSSMANN	CUSTOMER P/N	REV. ORIG	SPL. LOT NO. 0283110	TEMP(°C)
PART NAME RF COATED CHOKE	P/N 12051R0K	REV. ORIG	DATE OF ISSUE 05-31-'94	Q'TY 10 PCS
			Hum(%) RH	

### 1.MECHANICAL DIMENSION

UNIT: mm



	DIM.	TOL.
A	64	$\pm 2$
B	7.37	MAX
C	2.79	MAX
D	0.508	$\pm 0.05$
E		
F		
G		

### 2.ELECTRICAL

INDUCTANCE $\mu H$ $\pm 10\%$	Q MIN	TEST FREQUENCY (MHz)	RESONANT FREQUENCY (MHz)	D C RESISTANCE MAX.( $\Omega$ )	RATED CURRENT (mA)
1.0	50	25	180 MIN	.15	815

TEST INSTRUMENT: HP 4342A

### 3.WINDING DATA

TURNS: 12.5Ts

A 2769

\

GPI-5005T

110A

- ☐ LCZ METER HP 4276A
- ☒ 4191A RF IMPEDANCE
- ☐ LCZ METER HP 4277A
- ☐ 104 LCR METER
- ☐ 310 TURNS RATIO & PI

CUSTOMER ROSSMAN

## ENGINEERING DATA

PART NO. \_\_\_\_\_

PART NO. 12051R0KDESCRIPTION RF COATED CHUTEDATE OF ISSUE 3-31-11 QTY 10 PCSREV NO. 010

SAMPLE ORDER NO. \_\_\_\_\_

SHEET 3 OF 3

SPEC	MEAS ITEM	L (MIN)	D	DCR	SP	TECH.	DATA	
		COEF FMR	MIN	CHIT	FMR	A	B	C
	YOUR	±10%		MAX	MIN	2.2	MAX	MAX
	SUGGEST	1.0	51	.15	1.90	64	7.31	2.71
1		.97	101	.126	2.80	62.5	6.04	2.52
2		.98	110	.125	2.80	62.4	6.02	2.56
3		1.00	102	.131	2.80	62.5	6.04	2.51
4		.97	96	.127	2.82	62.5	6.04	2.54
5		1.00	105	.130	2.84	62.4	6.02	2.52
6		.98	91	.127	2.83			
7		.98	105	.127	2.86			
8		.99	112	.128	2.86			
9		1.00	105	.128	2.86			
10		.97	109	.126	2.85			
11								
12								
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24								
25								

## TEST EQUIPMENT:

- ☒ Q METER HP 4342A  
☐ LCR METER HP 4262A  
☐ PRECISION RLC DIGIBRIDGE GR 1689  
☐ LOW RESISTANCE BRIDGE YOKOGAWA 2769  
☐ DIGITAL COUNTER LEADER LDC-823A  
☐ GOOD WILL PUNCTURE/INSULATION GPI-5005T  
☐ DIGITAL MILLOHMMETER USERTEK 4110A

- ☐ DIGITAL MULTIMETER CIE 6005  
☐ FREQUENCY CONVERTER CHINA CFC-103  
☐ LCZ METER HP 4276A  
☒ 4191A RF IMPEDANCE ANALYZER  
☐ LCZ METER HP 4277A  
☐ 104 LCR METER  
☐ 310 TURNS RATIO & PHASE DETECTOR

## MATERIAL LIST

[illegible]

OBMW2

Component-Magnet Wire

October 13, 1986

TOTOKU ELECTRIC CO LTD

238 KAMIMARUKO MARUKO-MACHI CHIISAGATA-  
GUN, NAGANO-KEN JAPAN

E79029 (S)

(A card)

	Coating Type	TC	ANSI Typ	TI
Mil Dag	BC			
Magnet wiring coatings			MW2-C	105
UEW-1	Polyurethane	—	—	130
UEW-2	Polyurethane	—	MW75-C	130
UEW-3	Polyurethane	—	MW28-C	130
UEY	Polyurethane	Nylon	—	155
PEW	Polyester	—	MW24-C	155
PEY	Polyester	Nylon	—	220
EJW	Polyester	—	—	—
	Imide	—	—	220
AJW	Polyamide	—	—	—
	Imide	—	—	—

Report May 9, 1983

Replaces E79029A dated November 2, 1984.

715077002 H3108

Underwriters Laboratories Inc.®

(Cont. on E card)  
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