

20 dB

High Power Signal Tap

50Ω

DC to 500 MHz

ZFRDC-20-52-1+



CASE STYLE: CC51

Maximum Ratings

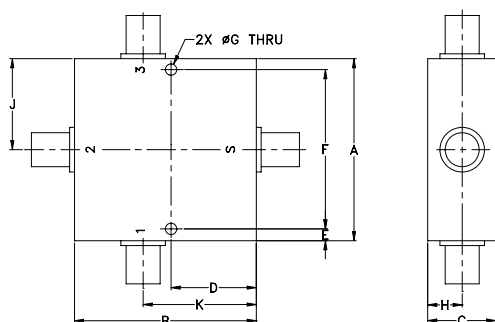
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Voltage Input*	40V(PK-PK)

*With max duty cycle 40 usec.

Coaxial Connections

INPUT	1
OUTPUT	3
COUPLED (FORWARD)	S
PLUG (NOT USED)	2

Outline Drawing

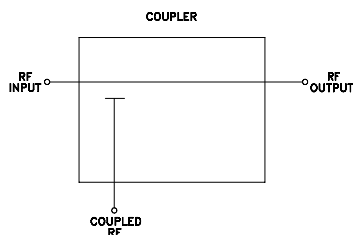


Outline Dimensions (inch/mm)

A	B	C	D	E	F
2.00	2.00	.75	.938	.13	1.750
50.80	50.80	19.05	23.83	3.30	44.45

G	H	J	K	wt
.125	.38	1.00	1.25	grams
3.18	9.65	25.40	31.75	200.0

Electrical Schematic



Features

- excellent mainline loss, 0.9 dB typ.
- excellent VSWR, 1.2 typ.

Applications

- instrumentation
- amateur radio

Connectors	Model	Price	Qty.
N-TYPE	ZFRDC-20-52-1+	\$79.95 ea. (10)	
		\$65.00 ea. (25)	
		\$50.00 ea. (50)	
		\$48.00 ea. (100)	

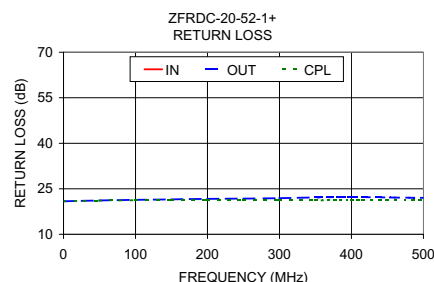
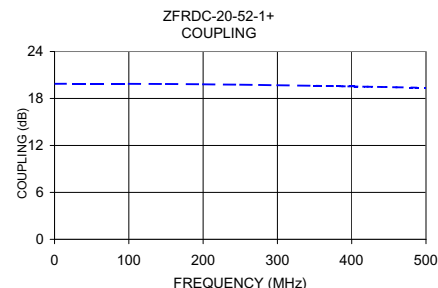
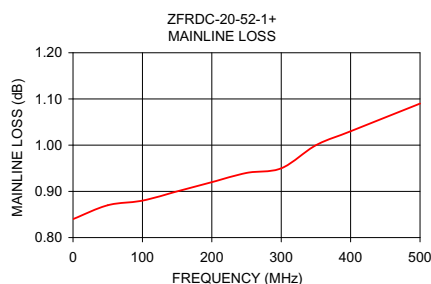
+ RoHS compliant in accordance
with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance.
See our web site for RoHS Compliance methodologies and qualifications.

Parameter	Condition (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		DC		500	MHz
Mainline Loss	DC-500	—	0.9	1.2	dB
Nom. Coupling	DC-500	19	20	21	dB
Return Loss (Input)	DC-500	17	—	—	dB
Return Loss (Output)	DC-500	17	—	—	dB
Return Loss (Coupling)	DC-500	17	—	—	dB

Typical Performance Data

Frequency (MHz)	Mainline Loss (dB) In-Out	Coupling (dB)		Directivity (dB)	In	Return Loss (dB) Out	Cpl
		In-Cpl	Out-Cpl				
0.01	0.84	19.87	19.87	0.00	20.88	20.88	60.74
50.00	0.87	19.88	19.89	0.01	21.15	21.11	53.52
100.00	0.88	19.87	19.86	0.02	21.34	21.22	51.25
150.00	0.90	19.85	19.86	0.01	21.51	21.31	42.42
200.00	0.92	19.81	19.79	0.01	21.67	21.32	36.80
250.00	0.94	19.76	19.79	0.02	21.75	21.27	32.68
300.00	0.95	19.69	19.87	0.18	21.90	21.21	29.31
350.00	1.00	19.62	19.70	0.08	22.13	21.17	26.54
400.00	1.03	19.54	19.65	0.11	22.26	21.25	24.11
500.00	1.09	19.36	19.58	0.22	22.00	21.15	19.81



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IF/RF MICROWAVE COMPONENTS

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& shopping online see web site

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