ZFBT-282-1.5A+

CASE STYLE: V1381

+RoHS Compliant The +Suffix identifies RoHS Compliance. See our web site

for RoHS Compliance methodologies and qualifications

ZFBT-282-1.5A+

Тур. Мах.

Typ. Max.

Тур. Мах.

1.08 1.35

Price

\$59.95

Qty.

(1-9)

Model

Wideband 10 to 2800 MHz 50Q

Maximum Ratings

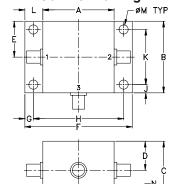
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	30 dBm max.
Voltage at DC port	30 V max.
Input Current	1.5A*
DC resistance from DC to RF&DC port	0.5 ohm typ.

^{*} Max Current 1.2 A above 80°C.
Permanent damage may occur if any of these limits are exceeded.

Coaxial Connections

RF	1 (SMA female)				
RF&DC	2 (SMA male)				
DC	3 (SMA female)				

Outline Drawing



Outline Dimensions (inch)

G	F	Е	D	С	В	Α
.25	2.19	.63	.47	.94	1.25	1.25
6.35	55.63	16.00	11.94	23.88	31.75	31.75
wt	N	М	L	K	J	Н
grams	.10	.125	.47	.750	.25	1.687
60.0	2.54	3.18	11.94	19.05	6.35	42.85

Features

- wideband, 10 to 2800 MHz
- low insertion loss, 0.6 dB typ.
- good isolation, 45 dB typ.
- high current, 1.5A

Applications

- biasing amplifiers
- · biasing of laser diodes
- biasing of active antennas

DC returnDC blockingtest accesso		Bia	as-Tee E	Electrica	ıl Specif	ications			
FREQUENCY (MHz)	INS	INSERTION LOSS (dB)			OLATION (d port to DC p C port to D	oort)	VSWR (:1)		
	L	M	U	L	M	U	L	М	U

Typ. Min.

L= low range (f_L to 10 f_L)

Тур. Мах.

0.5

Typ. Max.

M= mid range (10 f_L to $f_U/2$)

Typ. Max.

U= upper range (f_U/2 to f_U)

Typ. Min.

Connectors

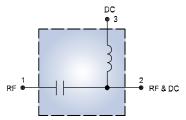
SMA

Typical Performance Data

Typ. Min.

Freq.	INSERTION		ISOLATION (dB)				VSWR (:1)			
(MHz)			RF-DC		RF-DC RF&DC-DC		RF		RF/DC	
	0A	1.5A	0A	1.5A	0A	1.5A	0A	1.5A	0A	1.5A
40.00	0.00	0.40	54.04	47.57	54.45	47.00	4.00	4.04	4.00	4.05
10.00	0.29	0.42	54.81	47.57	54.15	47.33	1.06	1.24	1.06	1.25
50.00 100.00	0.42 0.64	0.41 0.41	68.07 52.01	64.48 60.62	73.12 60.00	65.97 57.83	1.10 1.14	1.10 1.06	1.10 1.14	1.12 1.07
300.00	0.64	0.41	59.41	59.59	57.55	57.63 57.53	1.14	1.06	1.14	1.07
500.00	0.40	0.35	51.13	51.46	51.60	52.76	1.07	1.07	1.07	1.07
500.00	0.40	0.35	51.13	51.40	51.60	52.76	1.05	1.06	1.00	1.07
700.00	0.47	0.41	45.14	46.61	43.35	46.15	1.05	1.07	1.07	1.08
900.00	0.50	0.47	55.11	48.80	43.14	41.54	1.06	1.06	1.08	1.09
950.00	0.51	0.48	55.06	51.87	43.12	41.45	1.06	1.06	1.08	1.06
1000.00	0.51	0.46	52.18	56.35	44.66	41.54	1.06	1.06	1.08	1.09
1100.00	0.51	0.47	45.30	53.11	50.89	43.76	1.06	1.05	1.08	1.10
1200.00	0.51	0.47	42.03	45.81	44.47	47.09	1.06	1.06	1.08	1.09
1300.00	0.51	0.47	41.45	43.19	40.75	43.35	1.06	1.05	1.09	1.09
1400.00	0.52	0.48	40.88	42.11	38.26	39.95	1.06	1.05	1.10	1.09
1450.00	0.53	0.47	40.44	41.52	37.23	38.58	1.06	1.05	1.10	1.10
1600.00	0.57	0.51	37.75	38.77	34.31	35.38	1.07	1.06	1.11	1.10
1800.00	0.65	0.57	35.76	36.46	33.89	33.05	1.08	1.07	1.14	1.11
2000.00	0.78	0.67	35.26	36.66	35.48	34.12	1.09	1.08	1.15	1.12
2200.00	0.84	0.79	35.39	35.52	34.71	34.08	1.09	1.10	1.15	1.10
2400.00	0.94	0.88	35.29	35.6	32.29	32.06	1.11	1.12	1.17	1.11
2800.00	1.41	1.37	33.34	35.69	28.98	28.71	1.22	1.24	1.25	1.21

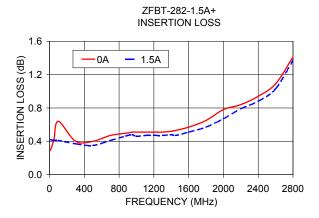
Electrical Schematic

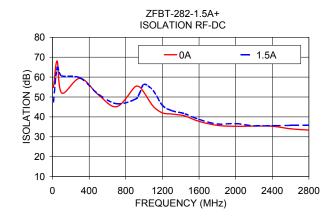


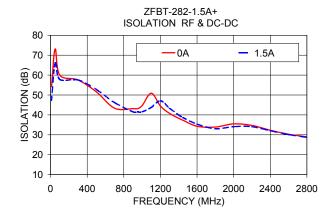
Notes
A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

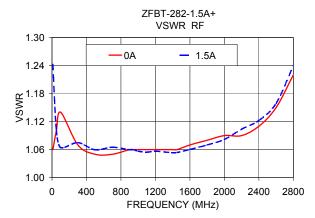
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.

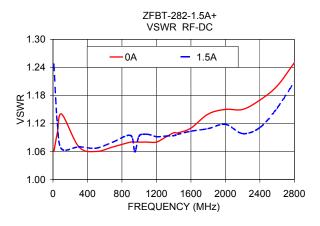
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