

50Ω DC to 850 MHz



Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 125°C

Permanent damage may occur if any of these limits are exceeded.

RF IN	2
RF OUT	5
GROUND	1,3,4,6

A	B	C	D	E	F	G	H
.150	.150	.034	--	--	.035	.028	--
3.81	3.81	0.86	--	--	0.89	0.71	--
J	K	L	M	N	P		wt
.060	.030	.184	.050	.075	.044		grams
1.52	0.76	4.67	1.27	1.91	1.12		0.15

Figure 1: Mechanical drawing of the package outline for the 16-pin DIP package. The drawing shows a top-down view of the package with dimensions in inches. Key dimensions include: overall width .039 TYP, overall height .026 TYP, pin pitch 2X .054, pin diameter .019, pin spacing .012, pin offset .040, pin 1 location .054, pin 1 offset .036, pin 1 offset .020, pin 1 offset .054, pin 1 offset .015 TYP, pin 1 offset .037 TRACE WIDTH, 2 PL. (SEE NOTE, BELOW), and 11X .020 FOR GROUND. The package outline is shown in blue, and the pin 1 location is indicated by a red circle.

Notes

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

B. Technical specifications and performance data contained in Mini-Circuits' application documents are based on Mini-Circuits' typical test results and are not intended to be construed as a warranty, expressed or implied. Mini-Circuits' assumes no responsibility for any damage or loss arising from the use of the information contained herein.

C. The parts covered by this specification document are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"). Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCQ_Store/Terms.html.

PASSBAND (MHz)	fco, MHz Nom.	STOP BAND (MHz)			VSWR (:1) Passband	POWER INPUT* (W)	MARKING	NO. OF SECTIONS
(loss < 1 dB)	(loss 3 dB)	fr20 dB						
Typ.		(> 20 dB)	(loss > 40 dB)	Typ.	Typ.			
DC-850	1078	1500	2000-3500	5500	1.2	16	LF3	7

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1.00	0.09	1.02
400.00	0.42	1.18
850.00	0.90	1.39
1078.00	2.87	2.87
1500.00	25.19	38.22
2000.00	45.14	59.79
3500.00	44.71	63.65
5000.00	33.44	68.63
7000.00	23.62	10.54
9000.00	23.95	18.52

Frequency (MHz)	Insertion Loss (dB)
0	0
1000	0
1500	10
2000	40
2500	46
3000	45
4000	40
5000	33
6000	28
7000	24
8000	23
9000	24