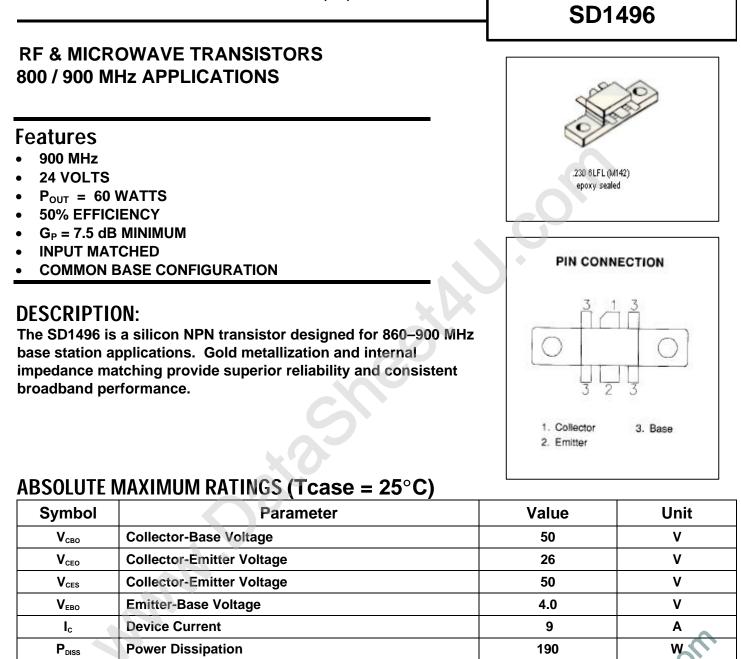


140 COMMERCE DRIVE MONTGOMERYVILLE, PA 18936-1013 PHONE: (215) 631-9840 FAX: (215) 631-9855



|--|

T_{STG}

ТJ

Storage Temperature

Junction Temperature

°C/W

°C

٥C

-65 to +150

+200

0.9



SD1496

ELECTRICAL SPECIFICATIONS (Tcase = 25°C) STATIC

Symbol	Test Conditions		Value			Unit
			Min.	Тур.	Max.	Unit
BV _{CBO}	I _c = 50 mA	I _E = 0 mA	50			v
BV _{CES}	I _C = 50 mA	$V_{BE} = 0 mA$	50			V
BV _{CEO}	I _c = 5.0 mA	I _B = 0 mA	26			V
BV _{EBO}	I _E = 10 mA	$I_c = 0 mA$	3.0			V
I _{CES}	V _{CE} = 20 V	I _E = 0 mA			10	mA
І _{сво}	V _{CB} = 30 V	Ι _Ε = 0 mA			5	mA
h _{FE}	$V_{CE} = 5.0 V$	I _C = 1 A	20		100	

DYNAMIC

Symbol	Test Conditions			Value			Unit
Symbol Test Conditions				Min. Typ. Max.			
Ρουτ	f = 860 - 900MHz	P _{IN} = 10.6W	V _{CE} = 24V	60			dB
G _P	f = 860 - 900MHz	P _{IN} = 10.6W	$V_{ce} = 24V$	7.5			dB
η _c	f = 860 - 900MHz	P _{IN} = 10.6W	$V_{ce} = 24V$		50		%
Сов	f = 1 MHz	$V_{CB} = 24V$			55		pF

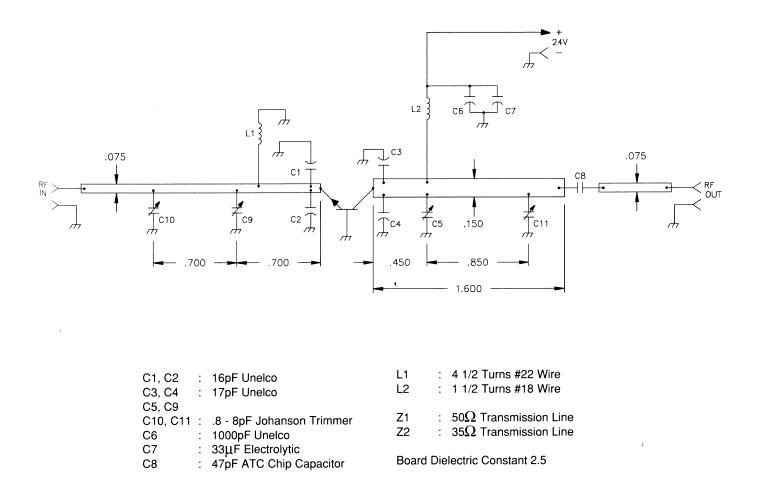


SD1496

IMPEDANCE DATA

FREQ	Ζ_{IN}(Ω)	Ζ_{CL}(Ω)
900 MHz	1.0 + j4.9	1.40 + j1.3
890 MHz	1.2 + j5.1	1.35 + j1.2
880 MHz	1.45 + j5.2	1.25 + j1.1
860 MHz	2.0 + j5.4	1.15 + j0.85

TEST CIRCUIT





SD1496

PACKAGE MECHANICAL DATA

PACKAGE STYLE M142

.720/18,29

.970/24,64

.355/9,02

F

G H .730/18,54

.980/24,89

.365/9,27

