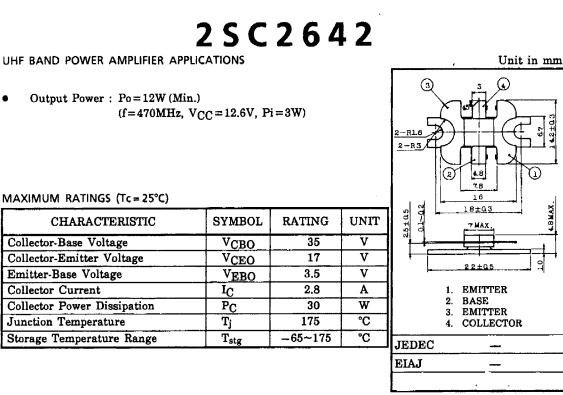
New Jersey Semi-Conductor Products, Inc.

20 STERN AVE. SPRINGFIELD, NEW JERSEY 07081 U.S.A. TELEPHONE: (973) 376-2922 (212) 227-6005 FAX: (973) 376-8960



ELECTRICAL CHARACTERISTICS ($Tc = 25^{\circ}C$)

Weight : 1.6g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	ІСВО	$V_{CB} = 15V, I_E = 0$			1.5	mA
Collector-Base Breakdown Voltage		$I_{\rm C}=2{\rm mA}, I_{\rm E}=0$	35	-	-	V
Collector-Emitter Breakdown Voltage			17	_	-	v
Emitter-Base Breakdown Voltage	V (BR) EBO	$I_{E} = 0.2 mA, I_{C} = 0$	3.5	-	_	v
DC Current Gain	hFE	$V_{CE} = 5V, I_{C} = 1.5A *$	10			
Collector Output Capacitance	Cob	$V_{CB} = 10V, I_E = 0$ f=1MHz	_	28	40	pF
Output Power	Po	(Fig.) V _{CC} =12.6V, f=470MHz Pi=3W	12	—	—	W
Power Gain	·Gp		6	-	_	dB
Collector Efficiency	7C		60	—	—	%
Series Equivalent Input Impedance	Zin	V _{CC} =12.6V, f=470MHz P ₀ =12W		1.2 +j4	—	Ω
Series Equivalent Output Impedance	Z _{out}		_	4 +j0.5		Ω

* Pulse Test : Pulse Width $\leq 100 \mu$ s, Duty Cycle $\leq 3\%$

CAUTION

Beryllia Ceramics is used in this product. The dust or vapor can be dangerous to humans. Do not break, cut, crush or dissolve chemically. Dispose of this product properly according to law. Do not intermingle with normal industrial or domestic waste.



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

Quality Semi-Conductors