BA30T60W03-H 3000 ~ 6000MHz 3W

ELECTRICAL SPECIFICATIONS @ 90~230VAC, 60Hz, 25°C, 50Ω

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	3000		6000	MHz
Output Power @ P_{SAT}	P_{SAT}	3	5		Watt
Power Gain @ P_{IN} = 0 dBm	G_P	32	35		dB
Gain Flatness @ P_{IN} = 0 dBm	ΔG_P		±1.5		dB
Input Power for Rated P_{SAT}	P_{IN}		+1		dBm
Output Third Order Intercept Point	OIP3		+43		dB
Input Return Loss	S11		-14	-10	dB
Harmonics @ P_{SAT}	2^{nd} / 3^{rd}		-20		dBc
Spurious signals			<-70	<-60	dB
Noise Figure	NF		10		dB
Input / Output Impedance			50		ohm
Operating Voltage	V_{AC}		220		VAC
Power consumption	P_D		60	100	Watt

MECHANICAL SPECIFICATIONS

Parameter	Value	Units	Limits
Dimensions @ PSU, FAN, Module	178 x 142 x 300	mm	Max
Weight	800	g	Max
RF Connectors Input/Output	N Type, Female		
Primary Power	88~264 VAC, 50/60Hz 3 pin Single phase		
Cooling	Air cooling Self-contained fans & Heat sink		

ENVIRONMENTAL CHARACTERISTICS (Design to Meet)

Parameter	Symbol	Min	Typ	Max	Unit
Operating Case Temperature	Tc	-10		+70	°C
Storage Temperature	Tstg	-40		+85	°C
Relative humidity (non-condensing)	RH			95	%
Altitude (MIL-STD-810F Method 500.4)	ALT			30,000	Feet
Vibration/Shock MIL-STD-810F-Method 514.5/516.5-Proc I	VI/SHI		Airborne		

PROTECTIONS

Input Overdrive	+7 dBm	Max
Load VSWR @ rated Pout	∞:1 @ all load phase & amplitude for duration of 1 minute 3:1 @ all load phase & amplitude continuous	-
Thermal Overload	85°C Shutdown	Typ

OUTLINE DRAWING