

125 W,928-944MHZ, POWER AMPLIFIER

Splitter			
Item	Description	Reference	Part #
1	Hybrid Quadrature	H1	S03888N1
2	Transistor, NPN	Q1-2	MMBT3904LT1
3	Regulator, 5VDC	U1	MC78T05CT
4	Regulator, 15VDC	U2	MC78T15CT
5	OPAMP	U3	MC33172D
6	Temp Sensor	U4	LM35DM
8	MMIC	U5	SNA-586
9	RF MODULE, 16W	U6	MHW916

Final Amplifier Module			
Item	Description	Reference	Part #
1	LDMOS RF Power Transistor	Q1	XRF187S
2	Regulator, Fixed, 15V	U1	LM78L15A

Combiner/Circ/LowPassFilter			
Item	Description	Reference	Part #
1	Circulator 925-960MHz 125W	FIL1	DDF1211
2	Hybrid Quadrature	H1	RFP-915-90-400-201
3	Diode, Schottky	D2	HSMS2800