

Active Devices

Designator	Vendor Part Number	Function
EXCITER		
CR401	RD9.1ML	9.1V zener
CR402	RD5.1ML B2	5.1V zener
CR403	RD5.1ML B2	5.1V zener
Q 403	2SC3356	NPN TCXO buffer SOT-23
Q 404	2SC3356	NPN TCXO buffer SOT-23
Q 405	2SB624	PNP Switch SOT-23
Q 406	2SC3356	NPN VCO buffer SOT-23
Q 407	2SC3356	NPN VCO buffer SOT-23
Q 410	2SC3356	NPN buffer SOT-23
Q 411	2SC3356	NPN buffer SOT-23
Q 412	2SC3357	NPN amplifier SOT-89
Q 413	2SC3357	NPN amplifier SOT-89
U 402	NJM2904	IC mod amp/buffer
U 403	MC145190F	IC synthesizer
U 404	NJM2904	IC mod amp/buffer
U 405	NJM78L05	+5V regulator
U 406	NJM78L12	+12V regulator
U 407	NJM2904M	IC voltage reference

Designator	Vendor Part Number	Function
TRANSMIT VCO		
D 101	HVU202A	Variable cap
D 102	HVU202A	Variable cap
Q 101	2SC3356	NPN oscillator SOT-23
Q 102	2SC3356	NPN buffer SOT-23
Q 103	2SC3356	NPN buffer SOT-23
Q 104	2SC2712	NPN active filter SOT-23
TCXO		
Y401	EFJ 17.5MHz TCXO	1PPM TCXO
Q403	MMBT3904L-T1	Buffer
Q404	MMBT3904L-T1	Buffer
POWER AMPLIFIER		
CR501	RF6.2MB2	6.2V zener
CR502	RF6.2MB2	6.2V zener
Q 501	2SK2973	Pre-driver
Q 502	MRF275L	Final amplifier
Q 503	MRF275L	Final amplifier
U 501	M57719L	Driver

Designator	Vendor Part Number	Function
U 502	TA78L08F	+8V regulator
U 503	MAX472ESA	Current sensor
U 504	MAX472ESA	Current sensor
U 505	78L05	+5V regulator
U 507	LM35D	Temperature sensor
U 508	NJM2904M	DC amplifier
U 509	MAX472ESA	Current sensor

DETECTOR

CR601	1SS306	Detector
CR651	1SS306	Detector
U 601	NJM2904M	DC amplifier SO-8
U 651	NJM2904M	DC amplifier SO-8
U 653	NJM78L05	+5V regulator 78L05