

STANDARD ELEKTRIK LORENZ AG.
Lorenz Werk Esslingen

REFLEXKATHODENSTRON Type **VLR222**
Serial Number **23648.**

Electrical Data

Heater Voltage **6.3** V
Repeller Current at -100 V Repeller Voltage **<2.00** mA

1. Transmitter Service

Mode **2 3/4**
Resonator Voltage 600 V
Cathode Current **7.1** mA

a) Matched Load

Maximum R.F. Power Output	7100		W
R.F. Power Output at 10.7/11.7Gc	960	1050	W
Repeller Voltage at 10.7/11.7Gc	300	460	V
Electronic Tuning Range at 10.7/11.7Gc.....	118	80	Mc
Modulation Sensitivity at 10.7/11.7Gc.....	1.15	0.5	Vc/V
$\frac{\Delta S}{S_0}$ for + 5 Mc Frequency Deviation at.....	0.9	2.1	%
	10.7/11.7Gc		

b) Optimum Load

Maximum R.F. Power Output	1360	W
Frequency at Maximum R.F. Power Output.....	11.4	Gc

2. Local Oscillator Service

Resonator Voltage 400 V
Cathode Current **39** mA

Mode	2 3/4		3 3/4		
Maximum R.F. Power Output ¹⁾	550		220		W
Frequency at Maximum R.F. Power Output	11.0		11.4		Gc
R.F. Power Output ¹⁾ at 10.7/11.7Gc	520	300	170	220	W
Repeller Voltage at 10.7/11.7 Gc	340	480	130	220	V
Electronic Tuning Range at 10.7/11.7Gc	68	34	87	61	Mc

1) matched load

