

MG5223F TEST RECORD	DF3802A
	Version 15 Sheet 1 of 1

Tested By achapman

Serial No. 85330

Test Gear 25

Date 27/09/2022

Final Inspection Pass

Checked by emason

Batch Card No. 1930734

Oscillation 1 - 0.55µs x 1000Hz		Data Sheet Limits		Units
		Min	Max	
Heater Current	1.23	1.1	1.4	A
Starting Stability	Pass	Pass	Fail	-
Pulse Voltage	8.0	7.5	8.5	kV
Power Output	17.5	16.0		W
Frequency	3047	3040	3060	MHz
RF Bandwidth (S)	Pass		4.0	MHz
Pushing Factor	0.49		1.5	MHz/A
Pulling Factor	11		13	MHz
Stability	0		0.1	M.P. %

Oscillation 2 - (0.06usecs x 4000Hz)				Units
Power Output	9.0	8.1		W
RF Bandwidth (S)	Pass		30	MHz
Stability	0		0.1	M.P. %

Position of Minimum VSWR (S)	-	43	61	mm
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(S) indicates sample test only

Your delivery is subject to:



**General Terms and
Conditions of Sale**

Link: <https://www.teledyne-e2v.com/about-us/terms-and-conditions/>

**Product Service
Report (RMA)**

Link: <https://www.teledyne-e2v.com/contact-us/customer-returns/>



Product Safety Notice

Teledyne UK products are safe to handle and operate, provided that the precautions recommended in the specific product data sheets and/or component and equipment handbooks and in the product markings are observed. Teledyne UK does not accept responsibility for damage or injury resulting from failure to observe these precautions. Original equipment manufacturers, users, and service personnel must ensure that adequate precautions are taken. Appropriate warning markings must be provided on equipment incorporating Teledyne UK products and in associated operating manuals.

The signs and symbols used on all Teledyne UK products, labels, packaging, and manuals conform to:

IEC 60417 – "Graphical symbols for use on Electrical Equipment" and/or

BS 5499-5 – "Graphical Symbols and Signs: Safety Signs including fire Safety Signs: Signs with Specific Safety Meanings"

High Voltage

Teledyne UK equipment is designed to prevent access to high voltage circuits and complies with relevant statutory requirements and related technical standards concerning equipment safety. System manufacturers and installers are responsible for meeting these requirements when incorporating Teledyne UK products into their designs.

RF Radiation

Personnel must not be exposed to excessive RF radiation. All RF connectors and cavities must be correctly fitted or apertures adequately blanked off before operation so that no leakage of RF energy can occur and the RF output must be coupled efficiently to the load. It is particularly dangerous to look into waveguide or coaxial feeders or transmitter antennae whilst the device is energised.

X-Ray Radiation

All high voltage products operating at voltages above 5kV produce progressively more deeply penetrating X-rays as the voltage is increased. The product envelope usually provides only limited protection and further shielding may be required. It should be noted that X-rays emitted by magnetrons and power klystrons correspond to a voltage equal to approximately twice the applied voltage.

Beryllium Oxide Ceramics

Some Teledyne UK products use beryllium oxide ceramics (coloured blue or marked with a black line). These products are marked with the toxic warning symbol shown above. Beryllium oxide dust or fumes are highly toxic if inhaled or ingested or if particles enter the body via a cut or abrasion. Avoid handling the beryllium oxide ceramics. If beryllium oxide ceramics are touched, the hands must be washed before eating or smoking. Do nothing to the beryllium oxide ceramics that may produce dust or fumes. Cleaning information is available from Teledyne UK. Information on the procedure to follow if a beryllium oxide ceramic is broken is provided with the product.

Toxic Materials

Certain products may contain very small amounts of toxic substances. Handling and disposal requirements can be found in the appropriate Product Safety Data Sheet.