



Tel: 781-419-3900  
www.olympus-ims.com

### TRANSDUCER DESCRIPTION

PART NO.: V1091  
SERIAL NO: 1303755  
DESIGNATION: CONTACT

FREQUENCY: 5.00 MHz  
ELEMENT SIZE: .125 in. DIA.

### TEST INSTRUMENTATION

PULSER/RECEIVER: PANAMETRICS 5052UA CD00770  
DIGITAL OSCILLOSCOPE: LeCroy LT342 / SN: LT34201114  
TEST PROGRAM: TP103-3  
CABLE: RG 174/U LENGTH: 4FT

### TEST CONDITIONS

PULSER SETTING: Energy: 1; Damping: 200 Ohm  
RECEIVER SETTING: Gain: 40 dB; Attn: 24 dB  
TARGET: 2 IN. SILICA  
JOB CODE: TP210

### MEASUREMENTS PER ASTM E1065

WAVEFORM DURATION:  
-14DB LEVEL -- 0.248 US  
-20DB LEVEL -- 0.296 US  
-40DB LEVEL -- 1.680 US

SPECTRUM MEASURANDS:  
CENTER FREQ. --- 5.05 MHz  
PEAK FREQUENCY -- 4.68 MHz  
-6DB BANDWIDTH -- 112.65 %

### COMMENTS:

SPECTRUM BASED ON GATED PORTION OF SIGNAL AS MARKED

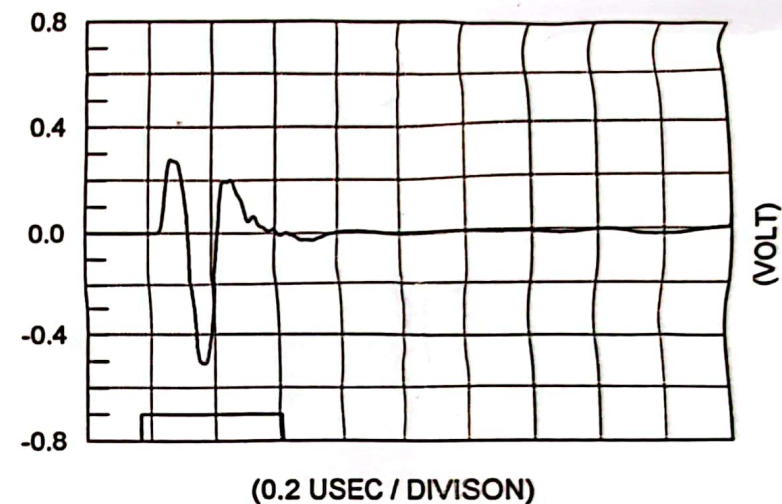
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TECHNICIAN ( 14 )

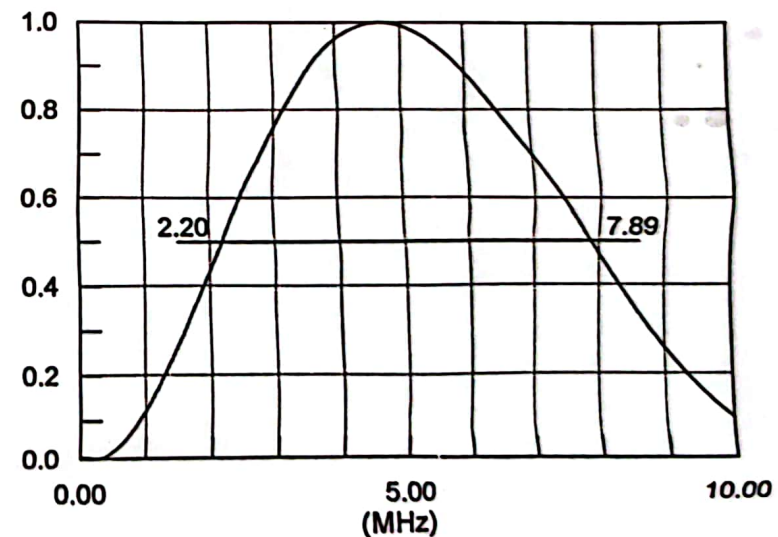
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### SIGNAL WAVEFORM



### FREQUENCY SPECTRUM



TP103 Rev. A