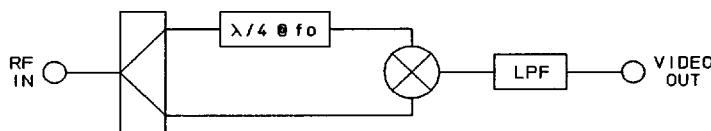
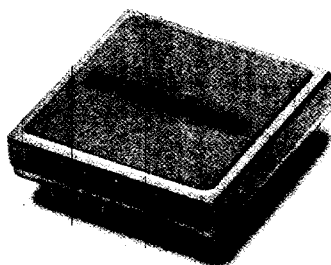


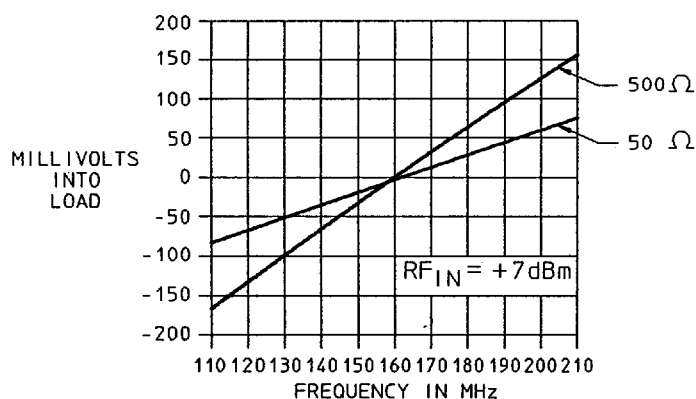


WDP-2R series

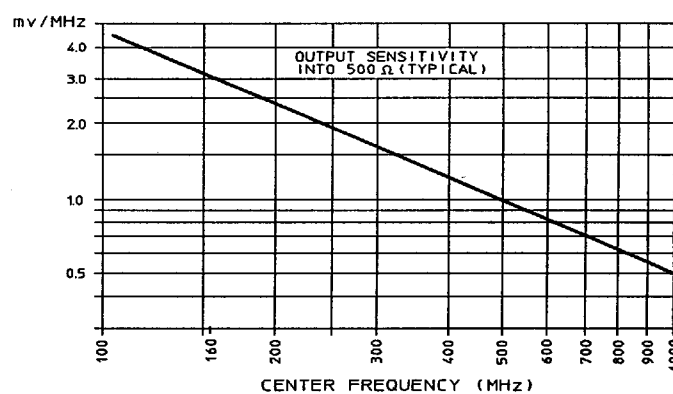
OCTAVE BAND DISCRIMINATOR
PC Mount

- Catalog and Custom from 160 MHz to 1 GHz
- Octave Bandwidth Standard
- Space saving, hermetic, PC design.

Nominal Transfer Characteristic



Nominal Available Sensitivity



Model Number	RF Center Frequency, f_0	Linearity (over octave)
WDP-2R-160	160 MHz	± 5%
WDP-2R-***B	160 - 500 MHz	± 5%
WDP-2R-***B	0.5 - 1 GHz	± 10%

For complete Model Number replace *** with desired RF Center Frequency, f_0 .

COMMON SPECIFICATIONS

Instantaneous Operating Bandwidth:	Up to one octave
Input Impedance:	50 Ω nom.
VSWR:	1.5:1 max.
RF Input Level:	+7 to +10 dBm
Output Sensitivity*:	1.5 mV/MHz into 50 Ω
(For Model at 160 MHz)	3 mV/MHz into 500 Ω
Output Slope:	Positive (negative optional)
Zero Crossing Accuracy:	< 1% of f_0
Video Bandwidth:	25 MHz
Rise Time (50 Ω load):	20 ns nom.

* Sensitivity varies with f_0 - See typical plot

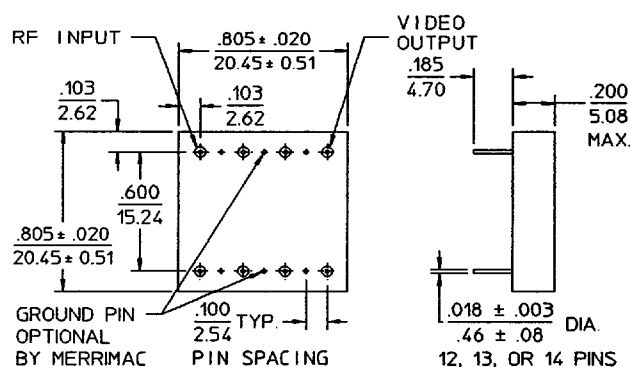
AVAILABLE SPECIFICATIONS

Lower Frequencies: see WDS-2 series
Contact MERRIMAC for further details. (9/91)

MERRIMAC custom and catalog Frequency Discriminators are integrated networks which provide a linear output voltage proportional to the deviation from the center frequency for control systems requiring a broad pull-in range.

These devices are designed to meet MIL requirements and can be screened for military and space applications.

Meri-Pac™ R-Package Outline



- NOTES:
1. Tolerance on 3 place decimals $\pm .010(25)$ except as noted.
 2. Dimensions in inches over millimeters.
 3. Lead dimensions apply only at body.
 4. All unmarked pins are case ground.

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