

## Zero Bias Schottky Diode Detectors 10MHz to 26.5 GHz

### FEATURES

- > No Bias Required
- > Negative Polarity
- > Extremely Flat Frequency Response
- > Match Input for Excellent VSWR

Maximum Input Power: 250mW CW  
 Operating Temperature Range: -55°C to +125°C  
 Storage Temperature Range: -65°C to +150°C  
 Specification @ +25°C and -20 dBm Input Power

Model No.	Frequency (GHz)	Voltage Sensitivity (mV/mW Typ.)	VSWR (Typical)	Flatness (dB max.)	Video Capacitance(pF)
Network Matched EZM SERIES					
EZM0120	0.01 - 2.0	500	1.20:1	0.20	470
EZM0140	0.01 - 4.0	500	1.30:1	0.30	470
EZM0112	0.01 - 12.4	500	1.40:1	0.30	470
EZM0118	0.01 - 18.5	500	1.50:1	0.50	470
EZM0126	0.01 - 26.5	100	1.5:1 (to 18 GHz) 2.0:1 (18 to 26.5GHz)	0.50 (to 18 GHz) 1.00 (18 to 26.5GHz)	470
EZM2018	2.0 - 18.0	500	1.50:1	0.40	20
EZM2040	2.0 - 4.0	500	1.20:1	0.20	20
EZM2080	2.0 - 8.0	500	1.20:1	0.20	20
High Sensitivity - Input Terminated EZR SERIES					
EZR0120	0.01 - 2.0	2000	4.5:1	0.50	470
EZR0140	0.01 - 4.0	1500	3.5:1	0.80	470
EZR0112	0.01 - 12.4	1200	3.5:1	1.00	470
EZR0118	0.01 - 18.5	1000	4.5:1	1.00	470
EZR0126	0.01 - 26.0	500	4.5:1	1.50	470
EZR2040	2.0 - 4.0	1500	3.5:1	0.50	20
EZR2080	2.0 - 8.0	1200	3.5:1	0.50	20
EZR2018	2.0 - 18.0	1000	4.5:1	1.00	20
EZR6018	6.0 - 18.0	1000	4.5:1	0.70	10
EZR8018	8.0 - 18.0	1000	3.5:1	0.70	10

1. Negative output polarity is standard. Add P to the end of model number for positive polarity.
2. Add suffix to end of model number for Package Style. Example: EZR6018PA1 ?Positive polarity and Package Style "A1".